

AIM Ann Report
1988 to 1989

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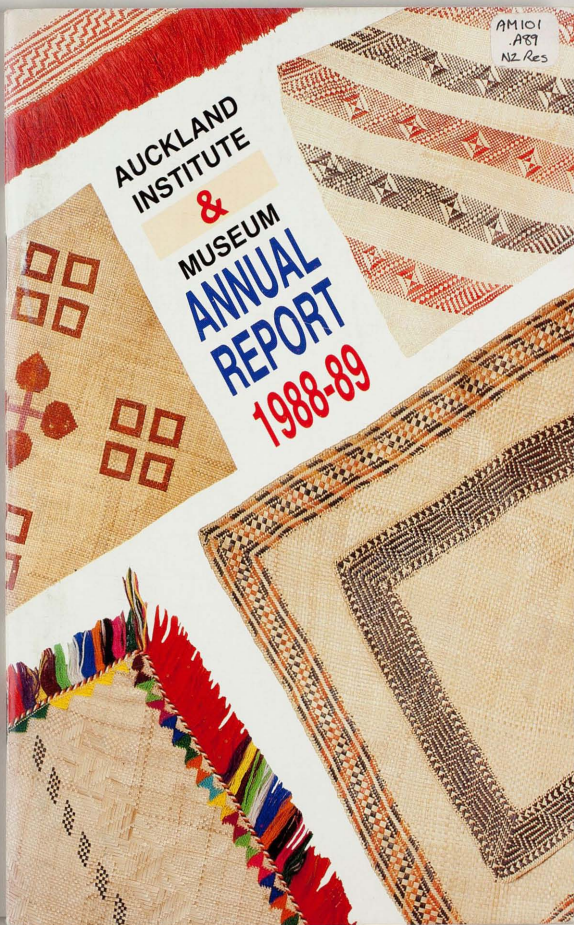
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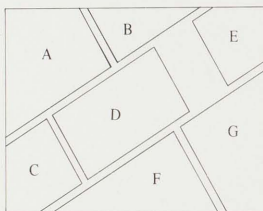
ANNUAL
REPORT

1988-89



AIM Ann Report 1988 to 1989

Cover: "Mats of the Pacific"
Dec '88-Jan '89



- A Kiribati
- B Cook Is.
- C Tikopia
- D Tuvalu
- E Niue
- F Fiji
- G Cook Is.

AIM Ann Report
1988 to 1989

ANNUAL REPORT
AUCKLAND INSTITUTE
AND MUSEUM
1988-89

AUCKLAND
1989

AIM Ann Report
1988 to 1989

Annual Report
Auckland Institute and Museum
ISSN 0373-6229

For presentation to the Annual General Meeting
to be held on September 25th 1989

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Past President:

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Dip.AD

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MS L.M. WILSON, F.T.C.L.,

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Royal Society of New Zealand:

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Secretary:

MR G.S. PARK, M.A., A.M.A., F.M.A.N.Z.

AIM Ann Report 1988 to 1989

STAFF AUCKLAND INSTITUTE AND MUSEUM

Administration

Director	STUART PARK, M.A., A.M.A., F.M.A.N.Z.
Assistant Director	SHERRY REYNOLDS, M.A., Dip.Tchg.
Directors Secretary	MALTI PRASAD
Secretarial Assistant	ANTONIA PHIPPS (until January)
	MOANA WI-NEERA (from January)
Accountant	TOM MOLLOY, A.C.A., A.C.I.S.
Accounts Clerk	MERLE WILLIAMS
Clerical Assistant	GLENDY DYKES, B.A., N.Z.L.A. (Cert)
	PAM TOWERS
Receptionist/Telephonist	NGAIRE HOGSDEN (until December)
	FIONA LEGG (from January)

Applied Arts

Curator	JUSTINE OLSEN, B.A.
Assistant Curator	ANGELA LASSIG, B.A., Dip.Mus.Stud.
Hon. Curator of Textiles	JUDY SMITH
Hon. Horologist	DAVID SMITH, M.A., Ph.D.
Hon. Curator of Asian Art	TREVOR BAYLISS, F.M.A.N.Z.
Hon. Curator of Musical Instruments	LEN STANNERS, C.B.E.

Archaeology

E. Earle Vaile Archaeologist ..	NIGEL PRICKETT M.A., Ph.D.
Hon. Archaeologist	AILEEN FOX, M.A., F.S.A.
Hon. Research Associate in Archaeology	JANET M. DAVIDSON, M.A., D.Sc., F.R.S.N.Z.

Botany

Botanist	ANTHONY WRIGHT, M.Sc.
Associate Botanist	TED BANGERTER, F.L.S.
Hon. Botanist	LUCY M. CRANWELL, M.A., D.Sc., F.L.S., F.R.S.N.Z.
Hon. Research Associate in Botany	JEANNE H. GOULDING
Technician	JACK MACKINDER, B.Sc., Dip.Tchg.

Conservation

Senior Conservator	KAREL PETERS
Conservator	GERRY BARTON, M.A.
Conservator	SABINE WEIK
Conservation Intern	JULIA GRESSON, M.A., B.App.Sc., Dip.Tchg.

AIM Ann Report 1988 to 1989

Display

Curator	RICHARD WOLFE, B.F.A.
Display Artist	GEOFFREY LOGAN, Dip.F.A.A., Dip.Adv.C.D.
Display Artist	VIRGINIA BENNETT, Dip.Design
Display Artist	ANGUS MacKENZIE, Dip.F.A.A., Dip.Tchg.

Education

Community Education Officer	KATRINA STAMP, B.A.,Dip.Crim., Dip.Tchg.
Planetarium Officer	FRANK IVES
Education Officer	STRUAN ENSOR
Assistant Education Officers ..	WENDY JOHNSTONE
	JORIE ZWART
Artist Technician	JULIET HAWKINS, Dip.G.D.
Teacher Aid	DOROTHY ENSOR

Entomology

Entomologist (Snr Scientist) ..	KEITH WISE
Technician	ROSEMARY GILBERT B.Sc.

Ethnology

Ethnologist	ROGER NEICH, B.Sc.,M.A.,Ph.D.
Assistant Ethnologist	TE WARENA TAU
Antiquities Assistant	MARY BEST
Ethnology Assistant	MICK PENDERGRAST

Liaison Service

Liaison Officer	JOHN COSTER, B.A.
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Library

Librarian	IAN THWAITES, B.A.,Dip.N.Z.L.S., A.N.Z.L.A.
Assistant Librarian	GORDON MAITLAND, M.A., Dip.N.Z.L.S.
Assistant Librarian	EDDIE SUN, M.A.,Dip.N.Z.L.S.
Library Assistant	KATRINA BARRETT, N.Z.L.A. (Cert.)
	VICTORIA BELL
	MARY FITZGIBBON, M.A.
	GERALDINE MOLLOY, M.A.

AIM Ann Report 1988 to 1989

Malacology

Malacologist	WALTER CERNOHORSKY, F.L.S. (until May)
Zoology Technician	JENNY OATS, B.Sc.

Marine Biology and Maritime History

Marine Biologist	BRETT STEPHENSON, M.Sc.
Zoology Technician	JENNY OATS, B.Sc.

Ornithology

Ornithologist	BRIAN GILL, B.Sc.(Hons), Ph.D.
Zoology Technician	JENNY OATS, B.Sc.

War Collections

Curator	JOHN WADHAM, B.Sc.
Honorary Curator of Medals and Badges	DAVID CORBETT, A.F.R.Ae.S.

Attendants

JACK WATSON (Senior); ALTHEA SARGENT (Deputy Senior); TIM WHITMAN (Relieving Deputy Senior); ROBERT BELL, BRIAN CRAIG, JAMES HOOKER, PETER KITE, MERVYN LOCKLEY, IAN McPHEE, ERUERA NEHANA, JOSEPH MILLS, (until December); CYNTHIA POCOCK, LUIS RAMON, GRAHAM TAYLOR, FRANK TUIMASEVE.

Maintenance and Cleaning

JONATHAN GRAVES, ROBERT GRAVES, PHILLIP KITE.

Coffee Lounge

CATHY BADER (Manager), ESMAY ULENBERG, (Asst. Manager); TANYA ALBLAS, MICHELLE BLANC, BEVERLEY CULPEPER, SIMONE JAMIESON, CLAIRE KELLY, SUSAN KELLY, CATHERINE LATHAM, PAULINE LEOTA, MARIA MATAIA, MARY McSWEENEY, JEANNE MELLAMPHY, EUPHYMY NGAPO, MELENA PALU, ATISH SHARMA, BRIGITTE SHARP, MARION SPOONER, SALLY TOMS, TAKAI VAHUA, CATHERINE VAUGHAN, VICTORIA YATES, JAN WHITFIELD.

Museum Shop

ISABELLE O'CONNOR (Manager), SALLY ANDREWS, RUTH BOAG, STRELSA BOYCE, JEAN BRENTON, MIGNONNE BROWNJOHN, JEAN DICKENS, JUDITH GEERLIGS, ANN HANNA, MARIE McGEORGE, ALOMA MUNCE, NANDA WATSON.

Volunteer Guides

DAVID BAKER, GWENDOLINE BAKER, NANCY BAMFORD, JIM BEEVER, PATRICIA BOND, ANDREW BONNER, SUZANNE BOYES, MARGARET CRANSTON, EILEEN CLARKE, HELEN CRANWELL, MARGARET DARKE, SELWYN DAWSON, RENE DOIG, RUTH DUFFUS, HUGH FRASER, DR MICHAEL GILMOUR, MARY GILLESPIE, SHEILA GRAY, PAT GREEN, LOLA GREGORY, MARGARET GRIFFITHS, JOHN HAMMOND, ADA HIGGS, LINDA HORE, CHARLES HUTCHINSON, STELLA ISBEY, DR WILLIAM JACKSON, RUTH JOHNSON, NEVILLE JOYCE, MURIEL LEITH, MARGERY LETHBRIDGE, ANTHONY McNAUGHTON, DR DONALD NELSON, JUNE NIELD, LEN NIELD, PAT O'CONNOR, WENDY PATTERSON, OLAF PEEK, BERYL POWELL, MURRAY PRINT, LEO ROTHSCHILD, ALISON SIBBALD, JACK SISLEY, MARK SMITH, GWYNETH URQUHART, MARGUERETE WALKER, ARTHUR WARD, MARY WEAL, SHEILA WEIGHT.

AIM Ann Report 1988 to 1989

PRESIDENTS AUCKLAND INSTITUTE AND MUSEUM

1867 F. Whitaker	1906 Professor F.D. Brown
1869 Hon. T.B. Gillies	1907 E.V. Miller
1870 Rev. Dr A.G. Purchas	1909 Professor C.W. Egerton
1871 T. Heale	1910 Dr R. Briffault
1873 Hon. T.B. Gillies	1911 J.H. Upton
1874 Sir G.A. Arney	1912 Professor H.W. Segar
1875 J.C. Firth	1913 C.J. Parr
1876 Hon. T.B. Gillies	1915 Hon. Sir E. Mitchelson
1877 R.C. Barstow	1917 J.H. Gunson
1878 T. Heale	1926 H.E. Vaile
1879 Rev. Dr A.G. Purchas	1931 A.G. Lunn
1881 T. Peacock	1933 Professor H.W. Segar
1882 E.A. MacKechnie	1934 Sir Cecil Leys
1883 Rt. Rev. Dr W.G. Cowie	1935 A.T. Pycroft
1884 H.G. Seth Smith	1936 Sir Carrick Robertson
1885 J.A. Pond	1938 C. Reginald Ford
1886 Professor F.D. Brown	1940 Dr W.A. Fairclough
1887 Professor A.P.W. Thomas	1942 A.H. Johnstone
1888 S. Percy Smith	1944 J.C. Rennie
1889 J. Martin	1947 Hon. T. Bloodworth
1890 J. Stewart	1949 F.L.G. West
1891 Professor F.D. Brown	1952 Professor L.H. Briggs
1893 Professor C.A.M. Pond	1955 J.W. Kealy
1894 J.H. Upton	1958 J.H. Rose
1895 Professor A.P.W. Thomas	1961 J. Seabrook
1896 D. Petrie	1964 S.G. Brooker
1897 Dr E. Robertson	1967 Dr H.C. Holland
1898 Prof. H.A. Talbot-Tubbs	1970 Lt-Col. A.R. Hughes
1899 J. Batger	1973 G.W. Frater
1900 Professor H.W. Segar	1976 Dr J.D. Atkinson
1901 J. Stewart	1980 Dr R.H.L. Ferguson
1902 Dr E. Robertson	1983 Mr R.E. Thomas
1903 Professor A.P.W. Thomas	1986 Mrs S.M. Weight

DIRECTOR EMERITUS
E.G. Turbott, Q.S.O., M.Sc., F.M.A.N.Z.

REPORTS TO MEMBERS

President

In this my last report to members during my three year term as President, it is pleasing to be able to report once again on a year of activity and achievement at the Museum. At the Annual General Meeting, I will be handing over to the incoming President, Mr W.A. Laxon. The Vice-President will be Dr H.V. Coop.

The Council

Dr John Rogers, a long-standing Council representative of the members did not offer himself for re-election at the Annual General Meeting, and retired from the Council. Dr Rogers was first elected to the Council in 1970, and served continuously until this year. His service to the Museum is much appreciated. Dr Rogers and Mr R.B. Sibson, who retired last year, were presented with Certificates of Appreciation of their service.

Dr Brook, Professor Kawharu and Mr Schischka were returned to the Council at the election, and Mr John Ingram was elected to the Council as the new representative of the members at the Annual General Meeting.

Mr P.R. Warren resigned as one of the Auckland City Council representatives through pressure of other responsibilities, and his place was filled by Mrs Suzanne Corbett, who attended her first meeting in February.

Membership

The Roll of Members has changed as follows:

	As at 31.3.88	As at 31.3.89
Honorary Life Members	14	15
Life Members	694	675
Members	1233	1263
Total	<u>1941</u>	<u>1953</u>

Awards

Seven members were honoured by Her Majesty the Queen during the year, and our congratulations have already been extended to Miss Enid Evans Q.S.M., Capt. J.C. Henley M.B.E., Mr H.J. Keys Q.S.M., Mr W.A. Laxon M.B.E., Mrs J.C. Ryan O.B.E., Mr M. Shadbolt M.B.E., and Mr D.O. Walker C.B.E.

Miss Enid Evans and Mr Trevor Bayliss were elected to Honorary Life Membership at the Annual General Meeting, in recognition of their service to the Museum.

AIM Ann Report 1988 to 1989

Mr G.S. Park was elected a Fellow of the Art Galleries and Museums Association of New Zealand.

Obituary

We record with regret the deaths of the following members:

Miss B. Bishop, Mr B. Blake, Prof. R.N.H. Bulmer, Mr W.J.H. Clark, Mr A.R. Delamore, Dr R.G. Dreadon, Miss O.B. Everitt, Mr R. Fletcher, Mr G.W. Frater, Miss G.E.M. Galbraith, Mr N.M. Gleeson, Mr H.N. Jacobs, Mrs R.S. Kennings, Mr G.G.T. King, Mr L.W. Knocks, Mr H.T. Mace, Mr B.D. Muir, Mr M.C. Rowe, Mr H.M. Rodwald, Mr T.P. Southern, Mr F.S. Stevens, Mr B.R. Winstone.

Brian Brake was a Life Member, and a strong supporter of the Museum through his photography and especially through two of his photographic books, *Art of the Pacific* and *An Introduction to Auckland Museum*.

Professor R.N.H. Bulmer was a member of the Council of the Auckland Institute and Museum from 1962 to 1967, and then on his return to Auckland from 1975 until 1986. He was a keen supporter of the Museum, and took an avid interest in many of its activities.

Graeme Frater was a Member and Life Member for 43 years. In his long association with the Museum he served in every office of the Council, to which he was elected in 1963, and served as Chairman of the Finance Committee until his election as President in 1973. During his Presidency from 1973 to 1976, a number of significant achievements were attained in the Museum. Graeme became a Vice-President in 1976, and held that position until his retirement from the Council in 1986. Mr Frater was elected as a Members' representative on the Auckland Institute and Museum Trust Board in 1982, a position he still held at the time of his death. Graeme was elected to Honorary Life Membership at the Annual General Meeting in 1987, in recognition of his long and valued service to the Museum.

Brian Muir was appointed Curator of Applied Arts at the Museum in 1978, having formerly been Director of the Robert McDougall Art Gallery in Christchurch. Mr Muir retired following an accident in October 1987. He made a valuable contribution to the work of the Auckland Museum during his ten years as Curator of Applied Arts. He was much involved in the encouragement of the contemporary decorative arts, especially pottery and weaving, as well as undertaking improvement of the Museum's displays, and the publication of catalogues and information about the Museum's collections.

Management Reorganisation

As a continuation of its programme for the development of the Museum, the Council gave much attention during the year to a review of the management organisation of the Museum. Following a series of workshops held by the staff, and reports to the Council by its consultants, a revised structure which included three Assistant Directors was adopted by the

Council, and appointments will be made to fill positions in the new structure.

Although the process of change is unsettling for the staff, the Council is convinced that the reorganisation is essential for the future progress of the Museum.

In 1986, at the beginning of this process of corporate reorganisation, the Council adopted a Mission for the Museum, to act as a guide in further development. This Mission Statement is printed for information, adjacent to the Annual Accounts.

Smoking

After consideration of its responsibilities for the well-being of the Museum collections, staff and visitors, the Museum Council adopted a policy to extend the longstanding prohibition on smoking in the Museum galleries to the whole of the Museum building. Although this caused some difficulties for members of staff who smoke, the policy has been generally well received.

Institute Lectures and Meetings

There were a good attendance at all of the lectures and meetings. Several lectures and other special functions were held in the evenings, to try to cater for as broad a section of the membership as possible.

Special evening functions were organised for the Members. The Museum Exploration Evening in August was an opportunity for members to explore the Museum by using some of its educational facilities: the Museum Schools Service, the Community Education Service, the Planetarium and the Volunteer Guides. Music at the Museum in November provided a feast of musical entertainment, with the support of a number of friends of the Museum and Museum staff. Over 250 members and friends attended each of these evenings.

The annual lecture to senior secondary school pupils in honour of the memory of former Museum Director Sir Gilbert Archey was given by Dr Margaret Lawton of the DSIR whose specific area of interest is DNA and Forensic Science.

Gifts, Grants and Bequests

The Museum continues to receive strong support from corporate bodies, government agencies and community organisations by way of gifts, grants and sponsorship.

The New Zealand Lottery Board made several grants to the Museum during the year. It paid \$22,665 towards the salary and expenses of the Museums' Liaison Officer. It granted \$43,743 to subsidise the development work in display and storage in the Maori Gallery, and a further \$77,144 towards the refurbishing and strengthening project. Through the Conservation Advisory Council, the Lottery Board made a grant of \$50,000 to assist with the paint conservation project on the meeting house

AIM Ann Report 1988 to 1989

Hotunui. This substantial grant has permitted the conservation work, which had previously halted through lack of funds, to begin again. A grant of \$25,000 was received in support of two projects in the Botany Department, the New Zealand Fern Atlas and the Bartlett Herbarium.

Firth Concrete Products generously donated their share of the proceeds from The Firth Dinosaurs exhibition in 1987, to be used for a special project at the Museum.

The Disney Art Trust established by the late Charles Disney has been an invaluable source of funds for the purchase of objects for the Applied Arts collections. NZ Guardian Trust who are the Trustees, this year granted \$42,650 which is very greatly appreciated. The Auckland Savings Bank made a grant of \$15,000 towards the development of new displays relating to World War One, and the Logan Campbell Residuary Estate granted \$7,000 to assist with the refurbishing of the Pacific Canoe Hall. The Department of Internal Affairs granted \$7,000 to assist with the administration of the Antiquities Act.

Members generously contributed \$7,900 towards the Members' Library Purposes Fund and \$3,400 to the Collections Purchase Fund. Lady Aileen Fox gave \$2,700 for the purchase of books for the Archaeology and Ethnology departmental library. An anonymous member gave \$2,000 in support of the work of the Applied Arts Department.

A donation of \$1,000 was received from Atlantic and Pacific Travel, with advice that this would be an annual grant, in recognition of the Museum's value as a tourist facility.

Many provincial local authorities have continued their voluntary contributions to the Museum. These contributions are listed at the end of my report.

It gives me great pleasure to acknowledge this support for the Museum from all those organisations and individuals from whom we received monetary contributions during the year.

Attendances

A total of 841,904 people visited the Museum's displays during the year, while many more of course made use of its other facilities for education, research or enjoyment.

In conclusion, at the end of my term as President, may I express my thanks to the members of the Council, the Director, Assistant Director and all the staff for their support during the past three years. May I also thank the many people who assist the Museum voluntarily for their continuing work for the Museum.

S.M. WEIGHT

AIM Ann Report 1988 to 1989

Local Authority Contributions

Voluntary contributions and statutory contributions under the Auckland War Memorial Museum Maintenance Act 1979, as amended, were received from the following local authorities.

Statutory

Auckland City Council	1,190,867.00
Birkenhead City Council	71,124.00
Devonport Borough Council	47,112.00
East Coast Bays City Council	124,496.00
Ellerslie Borough Council	29,163.00
Franklin County Council	71,469.00
Glen Eden Borough Council	21,707.00
Helensville Borough Council	1,716.00
Henderson Borough Council	29,954.00
Howick Borough Council	53,582.00
Manukau City Council	541,858.00
Mt Albert City Council	82,828.00
Mt Eden Borough Council	63,870.00
Mt Roskill Borough Council	107,475.00
New Lynn Borough Council	35,670.00
Newmarket Borough Council	36,835.00
Northcote Borough Council	36,061.00
Onehunga Borough Council	63,191.00
One Tree Hill Borough Council	88,619.00
Papakura County Council	56,821.00
Papatoetoe City Council	52,487.00
Pukekohe Borough Council	15,263.00
Rodney County Council	132,538.00
Takapuna County Council	306,832.00
Tamaki City Council	125,307.00
Tuakau Borough Council	2,412.00
Waiheke County Council	6,650.00
Waitemata City Council	236,627.00
Waikou Borough Council	5,791.00

Total \$3,638,325.00

Voluntary

Bay of Islands County Council	—
Cambridge Borough Council	—
Dargaville Borough Council	200.00
Great Barrier Island County Council	—
Hamilton County Council	—
Hauraki Plains County Council	600.00
Hikurangi Town Council	—
Hobson County Council	—
Hokianga County Council	—
Huntly Borough Council	400.00
Kaikohe Borough Council	50.00
Kaitia Borough Council	200.00
Kawerau Borough Council	636.37
Mangonui County Council	200.00
Matamata Borough Council	605.00
Matamata County Council	2200.00
Morrinsville Borough Council	150.00
Mount Maunganui Borough Council	—
Murupara Borough Council	—
Ngaruawahia Borough Council	250.00
Ohinemuri County Council	—
Opotiki County Council	—
Otamatea County Council	200.00
Otorohanga District Community Council	200.00
Otorohanga District County Council	1200.00
Otorohanga District County Council	127.28
Paeroa Borough Council	250.00
Putaruru Borough Council	275.00
Piako County Council	1000.00
Raglan County Council	—
Rotorua District Council	—
Taumarunui Borough Council	—
Taupo Borough Council	—
Tauranga City Council	500.00
Te Aroha Borough Council	—
Te Awamutu Borough Council	500.00
Te Puke Borough Council	100.00
Thames-Coromandel District Council	—
Waihi Borough Council	350.00
Waikato County Council	4750.00
Waipa County Council	—
Whangaroa County Council	150.00
Waitomo District Council	1500.00
Whakatane District Council	2100.00
Whangarei City Council	3400.00

Total \$22,093.65

AIM Ann Report 1988 to 1989

Chairman of the Trust Board

A member of the Board Mr Graeme Frater died during the year. Mr Frater's long service to the Museum has been referred to above by the President, but I must acknowledge specifically the assistance Graeme gave to the Board, from the time of his election to it in 1982, until his death.

A former President of the Museum and an Honorary Life Member Dr R.H.L. Ferguson was elected as a member of the Board in Mr Frater's place in September.

Because of the changed economic circumstances, the Board has not made any major investment changes, having decided to postpone some decisions that were projected earlier until circumstances appear more suitable. The performance of the existing investments has however been closely monitored, and opportunities taken for minor amendments to the Board's portfolio. I am grateful to members of the Trust for their continuing assistance to me with advice during the year over investment decisions for the Board.

The total of invested funds now stands at \$4,016,019.

R.E. THOMAS

Director

The principal feature of the year has been the major programme of maintenance and development work initiated by the Council. An active exhibition calendar has continued, and good progress was also made in many other areas of the Museum's activities.

Maintenance and Development Programme

A five year programme for the maintenance and development of the Museum was adopted by the Council in May. The work is regarded as essential for the Auckland Museum to maintain its building, and to protect and present its priceless collections. This programme involves expenditure of some \$1.3 million in 1988-1989, and a similar sum in each subsequent year until 1992-3.

The level of "development" involved is very basic. A large part of the work is deferred capital expenditure on the maintenance and care of the Museum's largest single asset, its building, and on its irreplaceable collections.

During the year, work undertaken included roofing repairs; structural strengthening for storage development; storage and office upgrading in the Ethnology Department; development of the Pacific Canoe Hall and refurbishing of the Asian Hall; security installations; development of a wet laboratory for the natural history departments; refurbishing of the staffroom; as well as corporate planning to ensure efficient, responsible and purposeful development of the Museum.

The five year programme which has been planned to bring the Museum to an acceptable level of maintenance does not aim to make provision for longer term development of the Museum, though some provision is made for initial planning and preparation for such development. Detailed provision for the medium and longer term cannot usefully be made until the short term needs are addressed. By the end of this short term programme however, it is envisaged that plans will have been developed for the longer term development of facilities at the Museum.

Museum of New Zealand Te Papa Tongarewa

Development work is proceeding for the new national museum and art gallery complex in Wellington. Auckland Museum made detailed submissions on the project in 1986, supporting the proposed development, while affirming the need for museums like Auckland Museum to be seen and funded as part of a national museums service. We have also stressed that the proposed museum must be truly national, and not simply an institution in Wellington.

Stuart Park has chaired a Professional Liaison Committee for the Project Development Board of the Museum of New Zealand, and many Auckland Museum staff have been involved in the consultations being undertaken by staff of the project. Auckland Museum welcomes the opportunity for continuing discussion of this exciting and important museum development, and the opportunity to keep pressing the need for greater practical recognition of the national role of museums like ours.

Return of Koiwi

Negotiations with several Maori tribes from Te Tai Tokerau over Maori human remains in Auckland Museum lead to the return of several groups of remains during the year. The place of human remains in museums is an emotive issue in many parts of the world. Whilst there are scientific arguments for the retention of such remains, the Council took the view that such arguments are outweighed, especially in New Zealand, by the cultural arguments in favour of their return. In May, remains associated with the South Hokianga bone chests in the Museum were reburied in the Waimamaku valley. In February human remains belonging to the northern tribes of Te Aupouri, Te Rarawa, Ngati Kahu, Ngapuhi and Ngati Wai were returned to their respective areas for reburial.

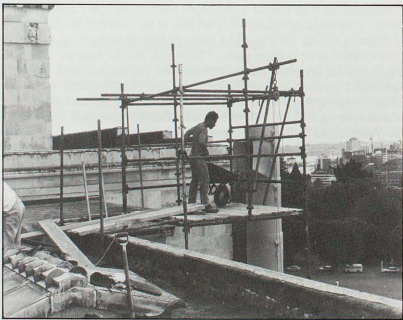
A strong contingent of Tainui people and quite a number of Museum Council and staff participated with the people of Te Tai Tokerau in these returns. All those involved found the experience a deeply moving one, and felt privileged to be able to share in these significant occasions. The goodwill expressed towards the Museum by elders and leaders from several parts of the country over its response to these requests was very warm indeed.

Regrettably, however, the way in which this sensitive issue was reported in the news media, and on television especially, was far less than sensitive. The Museum made a formal complaint to the Board of Television New

AIM Ann Report 1988 to 1989



"Art of Nature" was one of the highlights of the special exhibitions programme.



Repairs to the roof were part of the extensive maintenance and development work.

Zealand, which found that a breach had occurred of the requirements of the Broadcasting Act in respect of journalistic standards.

Submissions

A great deal of time was devoted during the year to the preparation and presentation of submissions to the Government and various governmental agencies, as well as the complaint to the broadcasting authorities referred to above. The rapid change occurring in many areas of New Zealand society has had the potential to affect the Museum very seriously, and endeavouring to moderate these effects has been a major task.

Local Government reform will dramatically change the organisation of local government in New Zealand. The Auckland Institute and Museum is an incorporated society which enjoys both rating powers and right of representation from local authorities. It has both a Council and a Trust Board, with differing rights and responsibilities. This complex situation has had to be carefully detailed to the Local Government Commission, to the local authorities and to the Department of Local Government. The Commission's final determination will leave the Institute and Museum very much as it already exists, though the number and nature of local authority representation will be altered slightly.

Proposals to render charitable organisations liable to taxation, possibly at a higher rate of taxation than private companies has the potential to affect the financial security of the Museum very greatly. Strenuous efforts have been made to draw the inequity of this situation to the attention of the Government, and its working party which has been examining this issue. No outcome has yet been announced.

The Government's decision to alter the administration of education in New Zealand has caused great uncertainty over the future employment of Museum Education Officers. Considerable discussion and correspondence with the Minister and the Department of Education, with directors of other museums and with the Education Officers themselves has been undertaken, to ensure the continuation of this vital educational service on a sound and secure basis. The continuing uncertainty over the future of the Schools Service has been highly undesirable; in spite of considerable pressure, a resolution of the question is still awaited.

Staff

Malacologist Mr Walter Cernohorsky took an extended period of accrued annual leave, leading to an early retirement to carry on his shell research in Australia. Mr Cernohorsky commenced his duties as Malacologist in 1969, following the retirement of Dr A.W.B. Powell. Walter maintained the extremely high level of malacological research for which the Museum is renowned, and produced several monographs and many scientific papers on malacological subjects. He greatly enhanced the Museum's international reputation as a scientific institution, and was a principal contributor to the Museum *Records*.

AIM Ann Report

1988 to 1989

Mr Joe Mills was a long serving attendant and night watchman, who retired after nearly twenty years' service. Because of his duties he was a little known staff member, but his vital work was much appreciated. Mrs Judy Smith the Museum's long serving Honorary Curator of Textiles relinquished her position in December. Mrs Smith was elected an Honorary Life Member in 1987 for her service to the Museum.

Julia Gresson was appointed in May to a post-graduate internship in the Conservation Department, funded by the Cultural Conservation Advisory Council. Julia recently completed a Bachelor of Applied Science degree at the Canberra College of Advanced Education. Angela Lassig, whose appointment was referred to in last year's report, took up her appointment as Assistant Curator of Applied Arts in May. John Coster, the new Museums' Liaison Officer took up his duties in August. Mr Coster was formerly an archaeologist with the Department of Conservation.

Volunteers

The Volunteer Guides have continued in an active role in guiding visitors to the Museum, and the Museum has also been greatly helped by volunteer assistants in a number of Departments, including Applied Arts, Archaeology, Botany, Ethnology, and the Library. Their efforts are very much appreciated.

Publications

The *Records of the Auckland Institute and Museum* volume 25 was published on 19th December 1988, and included a biography and bibliography of A.W.B. Powell by W.O. Cernohorsky, papers on archaeology and ethnology by Anne Leahy and R.S. Ruddock, a paper on applied arts by Angela A. Annabell, papers on zoology by W.O. Cernohorsky, B.J. Gill, J.C. Watt and K.A.J. Wise. Keith Wise once again acted as Editor, and the Museum's appreciation is recorded to him and the members of the Editorial Committee.

Four issues of the *Auckland War Memorial Museum News* were also published.

G.S. PARK
S.L. REYNOLDS

Applied Arts

Two major exhibitions were organised by the department this year. The 'Invited Weavers' exhibition held in May drew on recent works by Auckland weavers. The works displayed the variety of weaving techniques and styles by local weavers who included Ian Spalding, Yvonne Sloane, Zena Abbott, Marie Abbott, Grace Rushton, Anita Berman, Louis Boros, Normac Webster, Robyn Agnew, Judith Wilson and Mary Moen.

The New Zealand Contemporary Furniture Exhibition opened in the Special Exhibition Hall in September. Preparation for the exhibition involved collaboration with the Furniture Group, the national body of furniture makers and designers. Twenty-four works were selected by George Ingham of the Canberra School of Art, Australia who was specifically invited for this task. The works illustrated the high standard of design and manufacture in New Zealand. A grant from the Queen Elizabeth II Arts Council of New Zealand and publicity from "Home and Building" magazine helped to make the exhibition possible.

Regular exhibitions within the galleries included New Zealand jewellery by the Details Group and weaving from the Auckland Spinners and Weavers Guild. Loans of objects were made to two exhibitions: 'Ikat: Cloth of Indonesia' at the Waikato Museum of Art and History and 'Pacific Threads' at the Fisher Gallery, Pakuranga.

Development of two collection storage areas was initiated. The roof storage area was developed into three separate spaces for the storage of furniture and ceramics with a separate study area. The first floor liftwell room, was developed for glass and metals. Refurbishment also involved the office of the Assistant Curator and the Asian Hall.

Conservation of various objects from the collection was undertaken by the Conservation Department and included cleaning and backing of 2 European tapestries, the cleaning of Chinese temple bronzes and assessment of the Mary Ann Williams dress. Financial assistance from Cultural Conservation Advisory Council enabled the conservation of two significant furniture items, an Adam style sidetable of 1775 and a cabinet on a stand of 1690.

From funds from the Disney Art Trust the Museum purchased objects of both contemporary and historic applied arts, including two early New Zealand silver objects, a beaker by B Petersen of Christchurch, 1869, and a Salver by G Coates and Co, Christchurch 1885. Curtains designed by Henry Dearle for Morris and Company, England of 1898 were also a significant acquisition. The cloth was produced in a jacquard weave at Merton Abbey the pattern entitled 'Squirrel or Fox and Grape'.

Research continued on the Applied Arts Register. A significant presentation was made by Vivienne Mountford of exhibition documents from the 1970s and 1980s.

Education work included a large number of talks given by the Curator, and public inquiries and identifications by the Curator, Assistant Curator

AIM Ann Report

1988 to 1989

and Honorary Curators. The Annual General Meeting of the Crafts Council of New Zealand in Christchurch was attended by the Curator and Assistant Curator. Justine Olsen was selector for two local exhibitions 'Focus on Fibre' and the Pakuranga Arts Society Annual Exhibition. She was also invited to be Assistant Curator for the New Zealand Ceramic exhibition to be held at Faenza, Italy, in 1991, organised by the Queen Elizabeth II Arts Council. For the special exhibition 'Coke: Designing a World Brand', the Curator selected objects from a private collection in Wellington for inclusion in the exhibition.

Angela Lassig took up her duties as Assistant Curator in May, having come from the Museum of Applied Art and Sciences, Sydney. The department was grateful for the work of two contract employees, Miriam de Graaf for her research on the Applied Arts Index and Jacqueline Haworth for their identification of European lace. The resignation of Mrs Judy Smith as Honorary Curator of Costumes and Textiles after 19 years service was accepted with considerable regret. She has given outstanding service to the Museum during those years. The Museum continues to be grateful for the work of Mr Trevor Bayliss, Honorary Curator of Asian Arts, Mr Len Stanners, Honorary Curator of Musical Instruments and Mr David Smith, Honorary Horologist.

JUSTINE OLSEN

Archaeology

The greater part of 1988 was taken up with study leave spent in North America and Europe. After a month in the United States and Canada during which visits were paid to a number of Canadian national museum institutions in Ottawa and the Metropolitan Museum of Art in New York I travelled with my family to Cambridge, England, our base for seven months.

At Cambridge I enjoyed visiting member privileges at Darwin College and a Visiting Scholar at the Department of Archaeology and Anthropology. I attended many seminars and lectures, some on universal problems in archaeology and others of particular British interest which greatly expanded my knowledge of that part of the world. Special thanks are due to Peter Gathercole who arranged access to the academic resources of the university and whose friendship made our stay in Cambridge a pleasure.

From Cambridge I visited a great many museums in the United Kingdom, focusing especially on ethnographic and archaeological institutions but seeing also many antiquities, and applied and fine art museums. Thanks are due to Dorota Starzecka and Jill Hasell of the Museum of Mankind in London who gave every assistance during the many days spent working systematically through the museum's Maori collection.

Other museums visited in London include the British Museum, the Victoria and Albert Museum, British Museum (Natural History),

Geological Museum and Science Museum, the Bethnal Green Museum of Childhood, Cabinet War Rooms, Cortauld Institute, Horniman Museum, Museum of London, National Army Museum, National Gallery, Tate Gallery and Museum of Arms and Armour. Important ethnology and antiquities collections were visited at Oxford, Exeter, Devizes, Dorchester, York, Norwich, Cambridge and elsewhere. At Cambridge the opportunity was taken to work through the important Maori collections at the University of Archaeology and Anthropology.

Scottish museums visited include, in Edinburgh, the Museum of Childhood, National Gallery of Scotland, Scottish National Portrait Gallery and the two parts of the Royal Museum of Scotland. In Glasgow time was spent at the Art Gallery and Museum, the Burrell Collection, Hunterian Art Gallery and Hunterian Museum.

In addition to museums, attention was paid to archaeological sites especially in Cambridgeshire and neighbouring counties, the south-west (Wiltshire, Dorset, Devon and Cornwall) and in Scotland. Highlights were Grimes Graves, Avebury, Stonehenge and Maiden Castle; Bronze and Iron Age landscapes of Dartmoor, where I was guided by Auckland Museum's Honorary Archaeologist Lady Aileen Fox; the Roman remains of Hadrian's Wall; brochs, duns, cairns, standing stones and circles of north and west Scotland; and Civil War earthwork redoubts in Cambridgeshire and Nottinghamshire.

Three weeks were spent in The Netherlands, Germany and Austria. Ethnographic museums with Pacific collections were visited in Rotterdam, Amsterdam, Cologne, Stuttgart, Frankfurt and Vienna. Archaeology museums or general museums with extensive archaeology displays were seen in Amsterdam, Cologne, Stuttgart and Ulm. The hospitality of curators at these museums is much appreciated.

On our way home we stopped over at Honolulu and visited the Bishop Museum to see its displays and visit the archaeology (cultural resource management) department.

Thanks are due to the Council of the Auckland Museum for this extraordinarily stimulating period of study leave. I would also like to thank Anne Leahy who came in voluntarily once a week while I was away to answer correspondence and carry out essential housekeeping in the Department.

In the remaining available time laboratory work continued on material from the Raupa excavations for which space has been provided at the Anthropology Department, University of Auckland. An important collection of cloak fragments recovered during the 1988 excavation season has been examined and a report written by Maureen Lander of the Anthropology Department. Since returning from leave the task of writing up the 1987 excavation season at Raupa has been an important priority.

In 1988 an "Author, Title and Subject Index of "The New Zealand Archaeological Association Newsletter", Volumes 1-30, 1957-1987",

AIM Ann Report

1988 to 1989

prepared by Louise Furey and Nigel Prickett, was published. The annual conference of the New Zealand Archaeological Association was hosted to a social evening at the museum when members were shown the new Maori displays and carving store.

NIGEL PRICKETT

Botany

Reports are presented for two years activities.

1987-1988

The highlight of the year was undoubtedly four months spent travelling in Britain and Europe. Accumulated annual leave accounted for much of the time away, although study leave and a generous travel grant were provided by the Museum Council in order that time might be spent meeting professional colleagues and studying natural history display developments in museums and herbaria during my travels. Quite apart from the personal benefits of such an extended voyage of discovery, the opportunity to visit 58 relevant institutions has provided a wealth of experience directly applicable to almost every aspect of my work, which will be particularly valuable in planning the redevelopment of natural history displays at Auckland Museum.

Shortly after my return from Europe I represented New Zealand herbaria at the fifteenth annual meeting of the Council of Heads of Australian Herbaria (CHAH) in Darwin. For the past seven years, a representative from one of the three major New Zealand herbaria has been invited to attend CHAH as an observer. It was interesting to note that volunteer staff have begun work in several Australian herbaria — a concept new to CHAH members when I attended the 1984 meeting in Perth and reported on Auckland Museum's reliance on volunteers for much basic curatorial work. Following the meeting we were flown to Murganella, a former forestry camp on Aboriginal land in northern Arnhem Land, for 2½ days collecting. It is a rare experience to be surrounded by avid plant collectors, and even better to have local botanists on tap who could provide names for most of the collections!

Apart from several brief trips to Waima Forest in Northland to collect specimens of an undescribed species of tree daisy, occasional Auckland Ecological District assisting the Protected Natural Area Survey, field work has been minimal, as public and scientific enquiries and collections management take up an ever increasing proportion of time. Major curatorial effort has been expended on the Bartlett moss and lichen herbarium once again. Smaller private collections have been presented by Mrs I.B. Wormald (mosses) and Mrs G. Painter (herbs), and the following collectors continue to provide high quality specimens: J.E. & R.E. Beever, P.J. de Lange, L.J. Forester, R.O. Gardner, and B.W. & G.C. Hayward.

AIM Ann Report 1988 to 1989

The gymnosperm section of the herbarium has been reboxed to alleviate overcrowding, leaving existing shelving uncomfortably full. Planning is advanced for a further bank of mobile shelving to solve the immediate problem. With the huge influx of Bartlett specimens, the cryptogamic section of the herbarium is also overcrowded, and the storage development being planned will provide relief here as well.

Membership of the Government House Gardens and the Auckland Botanical Society Committees continued. The Auckland Botanical Society celebrated its 50th Jubilee in October with displays, a symposium on local botany, and dinner. During her time as Museum Botanist, Miss Lucy Cranwell was instrumental in the formation of the Society in 1937. Once again, four issues of the New Zealand Botanical Society Newsletter were edited and published.

The appearance in the *Records* of a series of scientific papers resulting from Offshore Islands Research Group expeditions to the Three Kings Islands in 1982 and 1983 continues a strong link between the Museum and these islands.

During my absence overseas, Miss Jeanne Goulding attended to urgent departmental business one day each week. It was a pleasure to return from leave unencumbered by a backlog of work. Mr Jack Mackinder commenced duties as Botany Technician on 1 September 1987. Sandra Condon and Anne Hume worked in the herbarium over summer as student assistants, and Elizabeth Brown was employed on research grant funds to continue with the Fern Atlas project and curation of the Bartlett herbarium. Mr Ted Bangerter, Mrs Joan Dow, Dr Rhys Gardner and Mrs Meryl Wright continued to provide voluntary assistance with cataloguing, specimen mounting and incorporation. To all these workers and the collectors noted above I express my grateful thanks.

Statistics

Accessions numbered herbarium sheets	(1986-87)
31 March 1988 178902	
31 March 1987 176633	

Increase	2269	(4612)
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Exchange specimens

Out 740 specimens to 9 herbaria	(505 to 5)
In 555 specimens from 5 herbaria	(247 from 5)

Loans

Outwards 22 to 12 herbaria	(33 to 14)
Inwards 2 from 2 herbaria	(3 from 3)

1988-1989

The highlight of the year's fieldwork was 26 days spent in the Kingdom of Tonga. Collections of plant specimens and notes were made on the

AIM Ann Report

1988 to 1989

islands of Tongatapu, Lifuka, Foa and Lofanga. Several of the collections represent new plant records for Tonga. Thanks to a grant from the Miss E L Hellaby Indigenous Grasslands Research Trust, several short collecting trips were made in Northland and to several of its offshore islands. The grant was made to allow the collection of bulk samples of the flowers of the coastal snow tussock, *Chionochloa bromoides*, from four sites in Northland for a research project being undertaken by Dr H E Connor in Christchurch. As part of this work, visits were made to Aorangi Island (Poor Knights), the Cavalli Islands, the Bay of Islands, and Whangaruru North Head and general collecting for the Herbarium was also undertaken. These trips also provided up-to-date information on some of our rare plants which was used in an education feature in the *NZ Herald*. I joined the Offshore Islands Research Group for their annual New Year expedition, this time to Miner's Cove at the north-western extremity of Great Barrier Island. In January, I led members of the Auckland and Waikato Botanical Societies on field trips to parts of Waima, Waipoua and Mataraua forests in Northland. The year's fieldwork ended on a high note with a 10 day Department of Conservation expedition to the Three Kings Islands. It was pleasing to find a significant burst of regeneration of rare species since my last visit in 1983, and to observe the first ripe fruit to have been seen on the single wild plant of *Pennantia baylisiana*.

I served as President of the Auckland Botanical Society, and Jack Mackinder as a committee member and Editor. We jointly led a Botanical Society field trip to study lichens, and a follow-up laboratory workshop to try to identify some of the collections. An invited lecture, "A botanist in Tonga" was delivered to members of the Wellington Botanical Society.

The editorship of the quarterly *New Zealand Botanical Society Newsletter* continued, and at the Society's inaugural General Meeting held in November 1988 I was elected Secretary/Treasurer and reappointed as Editor for 1989. Preparations for the incorporation of the Society have involved considerable effort.

Travel out of Auckland has involved attendance at the Ecological Society conference in Dunedin, participation in consultations regarding the natural science component of the proposed Museum of New Zealand — Te Papa Tongarewa in Wellington, and attendance at New Zealand's first 'Flora Festival' at Lincoln, Canterbury. This extraordinarily profitable event included the annual meeting of the NZ Herbarium Curators' Group, the opening of major extensions to the Botany Division DSIR Herbarium, a Naturalised Flora Conference to mark the completion of Volume 4 of the *Flora of New Zealand*, the inaugural General Meeting of the NZ Botanical Society, the Systematics Association Conference and AGM, and two workshops on the future of flora writing in New Zealand and weed identification.

Membership of Government House Gardens Advisory Committee and its Tree Committee continued. Close associations with staff of the Department of Conservation (DoC) and the University Botany Department

were fostered. Considerable input was made into three areas of DoC activity: the Protected Natural Areas survey programme, rare and endangered plant management strategies, and offshore island management. Teaching assistance with the University Advanced Plant Taxonomy class included lecturing and participation in a 5 day field trip to Tongariro National Park. Once again, a group of Auckland Regional Authority Botanic Garden apprentices were shown around the herbarium, and its important as a basis for all plant science outlined.

A successful temporary exhibition 'Art of Nature' was mounted in conjunction with the other Natural History Departments, the Library and the Display team. Botanical themes were kauri, fern and pohutukawa, and a wide range of objects, illustrations and artworks used to portray them.

A large part of each working week was taken up with routine enquiries, correspondence and herbarium management. For example, in the month of April 113 plant specimens were identified for staff of the Department of Conservation, BASF Chemicals, the Auckland Acclimatisation Society, the Forest Research Institute, the nursery trade, a landscape architect, Noxious Plants Officers, as well as members of the general public and Museum staff. With the advent and spread of charging policies by government departments, there has been a steady increase in approaches from commercial organisations requiring plant identifications. Where this work takes appreciable time or does not result in any advantage to the herbarium (e.g. the donation of specimens or extension of distribution ranges) a charge is made. Charging, however, remains an uncommon occurrence as most identifications result in a useful extension of scientific knowledge.

A \$25,000 grant was received from the Science Research Committee of the NZ Lottery Board towards two ongoing projects: the curation of the J K Bartlett lichen and moss herbarium, and the preparation of a Fern Atlas for New Zealand. Good progress has been made on both, with some 13,500 moss and lichen specimens properly labelled and packetted, and collation of distribution records of fern specimens in all but 3 of the country's 11 major herbaria completed.

The Botany Department underwent major upheaval to allow installation of a further bank of mobile steel shelving in the herbarium. In order that the maximum possible number of specimens can be fitted onto the available shelving, the decision was made to abandon our standard herbarium boxes (based on the historic T F Cheeseman collection) for the foreign and adventive section of the herbarium. A combination of smaller new boxes and shallower shelves has allowed a doubling of the capacity of the new bank of mobile shelving. It is hoped that this measure will leave room for expansion for at least a few years. A start has been made on the large task of re-establishing the adventive and foreign section of the herbarium in new boxes on the new shelving. A more modern classification of the ferns in widespread use in major herbaria elsewhere has been introduced.

AIM Ann Report 1988 to 1989

Jack Mackinder has been heavily involved in planning and devising a computerised database and management system for the herbarium. Computer hardware and software funded by a Lottery Board grant arrived in early December, and since then Mr Mackinder has made pleasing progress with the development and implementation of the system. A laser printer has been purchased for the production of permanent specimen labels. As well as providing labels for incoming specimens, the system is used to record all outgoing loans of specimens, including the detailed documentation accompanying loans.

The substantial progress in curation of the Bartlett Herbarium during the year has already been noted. In addition, four other private collections, each numbering around 1000 specimens, have been curated and incorporated: the D.J. Court general herbarium, the D.L. Knowlton *Asplenium* collection, the G. Painter herb collection, and the I.B. Wormald moss herbarium. The generous donation of specimens by the following is acknowledged: D.P. McCrae, L.J. Forester, B.W. & G.C. Hayward, P.J. de Lange, P.D. Champion, J.E. & R.E. Beever, J. Smith Dodsworth and R.O. Gardner.

The achievements of the Department are only possible through the hard work of the staff to whom I extend sincere thanks. Jack Mackinder, half-time technician, is the only other permanent staff member. Temporary staff have included Marcel Smits (Bartlett Herbarium curation), Elizabeth Brown (Fern Atlas project) and Anne Hume and Darren Reedy (student assistants). Voluntary staff undertook much of the basic herbarium work: Joan Dow and Meryl Wright mounting specimens, and Rhys Gardner incorporating them into the collections, and Mr E B Bangerter continued to catalogue the reprint collection.

In the wider Museum community I undertook coordination of the Staff Social Club's activities for the year. These included 5 social events, fundraising, organisation of a staff photo, and liaison with architects over the refurbishing of the staffroom, as well as 7 presentations to departing staff members, and congratulations, 'get wells', and condolences to a further 14. The Social Club committee of Aloma Munce, Cindy Pocock, Althea Sargent, Katrina Stamp and Juliet Hawkins all worked hard, and particular thanks are due to the Secretary, Katrina Barrett. I also served as Staff Representative at meetings of the Museum Council and its committees from September 1988.

Statistics

Accessions of numbered herbarium sheets	(1978-88)
31 March 1989	182929
31 March 1988	178902
	<hr/>
	4027
	(2269)
Exchange specimens	
Outwards 37 specimens to 2 herbaria	(508 to 5)
Inwards 332 specimens from 5 herbaria	(247 from 5)

Loans

Outwards 26 [1005 sheets] to 12 herbaria	(22 [538] to 12)
Inwards 2 [56 sheets] from 2 herbaria	(2 [15] from 2)

A.E. WRIGHT

Conservation

The year has been a very active one for the conservation department. Gerry Barton and Sabine Weik have been sharing a position while Gerry was granted a year's half time paternity leave. We welcomed Julia Gresson as an intern after graduating from the Canberra Conservtion Programme Course. She made an immediate impact with her up to date conservation knowledge. Her special interest in textile conservation has been very much appreciated, not only by our museum but also by the various other museums in the region.

The main thrust this past year has been the preparation of artefacts of a diverse nature for exhibition in the museum and as loans to other museums. The two major exhibitions at Auckland Museum were 'Mats of the Pacific' and 'Sounds of Oceania'. A substantial number of artefacts were prepared for loans to the Waikato Art Museum, the National Museum and National Art Gallery, Hawkes Bay Art Gallery and Museum and the Senckenberg Museum in West Germany. Work ranged from removing red overpaint to general cleaning and the preparation of detailed condition reports with photographs.

Because the department fulfils a service role, it provided conservation advice and practical help to other departments and to other museums in the region. Julia Gresson and Karel Peters went, on very short notice, to Houhora, Northland, to assist the Wagener Museum staff with assessing damage to the substantial collections as a result of an arson attack on the museum. Advice was also given to the Bathhouse Rotorua Museum, the Gisborne Museum, the Navy Museum, the Fisher Gallery, Manukau City Council and the Howick Colonial Village. Practical conservation assistance was given to the Te Uwira Marae in Waiuku while the Whaiora Marae at Otara and the Marae at the Auckland Education College were given advice on the maintenance and conservation of their whare runanga.

Various conservation reports have been prepared by the staff. Gerry Barton investigated the consolidation of deteriorated, black dyed Maori fibres with the assistance of the DSIR and the Getty Research Laboratory in the USA, and prepared an interim report on his investigations. He also reported on storage facilities for the Applied Arts department. Julia Greeson prepared a survey of existing light conditions in the museum and gave a talk to staff on currently available light systems for museums. She is also investigating the adhesive-impregnated polyamide tissue Vilene for use on bark cloth and textiles. A comprehensive condition and treatment report is being prepared by her for the Mary Ann Williams dress, one of the oldest New Zealand made dresses in the country, made about 1828.

AIM Ann Report 1988 to 1989

With other professional conservators in the Auckland region, a collective store was discussed for emergency supplies in case of disasters like the Houhora Museum fire. Karel Peters addressed the New Zealand Professional Conservators Conference in Wellington on the conservation issues linked to the exhibition *Te Maori* of which he was the conservator in charge.

KAREL PETERS

Display

The year was full of activity, with the special exhibition programme perhaps busier and more varied than ever. Most notable was "Art of Nature", an exhibition generated by the Museum's natural history, library and display staff. The exhibition brought together scientific specimens and artistic interpretations in a manner not previously attempted by the Museum. All the natural history departments were represented, including such previous artistic staff members as L.T. Griffin and A.W. Baden Powell. Specimens collected by Banks and Solander were shown alongside works of art by Parkinson and Charles Blomfield. We are indebted to a number of Auckland artists and collectors who provided a contemporary perspective with the work of Don Binney, Nigel Brown, Dean Buchanan, Sylvia Siddell, Ian Scott and Michael Shepherd.

International exhibitions included "Coke — Designing a World Brand", a very popular exhibition brought here with the assistance of Coca-Cola South Pacific Ltd. This panorama of popular culture and successful advertising was produced by the Boilerhouse, the Design section of the Victoria and Albert Museum in London, using the historical archive of the Coca-Cola Company.

We also hosted two other American exhibitions, Richard Marquis' large and colourful glass rockets and trophies alongside the social documentation of America from the road, "American Pie", by New Zealand photographer Geoff Steven. In these we are grateful for the support of Continental Airlines, Agfa-Gevaert and the Fulbright Foundation. We presented "Books from China", a wide range of recent publications, scroll paintings and kites, organised by the New Zealand Government Printing Office.

The Auckland landscape and its architecture came in for considerable attention this year with three exhibitions. "Dreams and Schemes", organised by the Auckland branch of the New Zealand Institute of Architects, provided a view that might have been — drawings and plans of buildings that never eventuated, including an unrealised scheme for our own building. In October Auckland Museum hosted the Monier Architectural Awards, which included a retrospective of 20 years of winning entries. Finally, to mark the centennial of the New Zealand Institute of Surveyors, at the end of the year we presented "Surveying A Century", a rich collection of historic plans and equipment.

The Museum organised and presented "New Zealand Contemporary Furniture", a highly stimulating and rather controversial presentation of the best in contemporary furniture design and craftsmanship.

During the Christmas holiday period this year the Museum once again utilised its rich reserve collections, this time for "Mats of the Pacific". Following its presentation here this popular exhibition travelled to the National Museum, Wellington, and to the Waikato Museum of Art and History, Hamilton.

In August a section of the Maori Gallery under renovation was used for "Ka Tuhihi O Nehera", a dramatic collection of South Island Maori rock drawings. In the Museum's permanent display galleries the Pacific Canoe Hall was refurbished, to improve both visitor comfort and artefact security.

During Virginia Bennett's absence on maternity leave we were joined by Patrick Pound, an Elam graduate and practising artist, who fitted in well with our many and varied duties.

The Department continues to provide support for other Museum departments, in maintaining the Museum's considerable printing requirements, and producing material for the promotion of its many activities.

RICHARD WOLFE

Education

Summary of attendances: Primary 23,567, Intermediate 12,695, Secondary 9065, Total 45,327. The decrease in attendance compared with the 1988 total of 88,882 reflects the popularity of last year's major exhibitions at the Museum and the influence of the Panda display at the Auckland Zoo. The figure of 45,327 represents an average attendance. Popular special exhibitions with schools were the Art of Nature, with its associated musical performances by Kathy Harrop, and Sharing our Heritage. A successful Institute Member's 'Discovery' evening was held and School Service staff created discovery trails involving shells, water, war history and textiles.

A feature of this year's classroom interpretative programmes has been the development of activity-based lessons, focusing children's attention on the artefacts and specimens, available for handling. To achieve organisational efficiency, a new set of 12 large secure cupboards have been built in the classroom.

School Service staff has written and revised many of the information and child study sheets. These include Know Your Museum, Comparing Birds, Centennial Street (Artefact list), Parent Guide to the Fish Hall, Early People, Bird adaptation to the Environment.

AIM Ann Report 1988 to 1989



Presentation by Hega Heisifa and Mokalou Kaliatama of a mat from Niue.
"Mats of the Pacific" exhibition.



Members test their skills at the Museum Exploration Evening in August.

Planetarium attendances were: Primary 1826, Intermediate 3120, Secondary 1977, Total 6923. This shows an increase of 25% over 1988. The Planetarium is a popular educational facility.

Inservice courses were conducted for several teacher groups, including thirty two Secondary School science teachers. Auckland College of Education trainees attend Museum courses in Familiarisation of Museum Galleries and educational resources (82), Conservation of Artefacts (20), Learning in a Museum and Co-operative Planning (40) and Geology (20) for an eleven session programme. Eleven teacher trainees participated in a four week teaching Section.

The Government's indecision over the implementation of the Picot Report ("Tomorrow's Schools") has caused considerable stress for the Educational Officers and prevented any future planning of services. Indecision remains as to who will be the employing authority of Education Officers.

Exchange of Museum Loan Cases: Provincial 184; City 279. The trend for increased use by City schools and decreased use by rural schools continues. The decrease in use by rural schools is probably a reflection of increased transport costs and a proliferation of education resources now available.

A trial satellite distribution centre has been started for city schools at the Tamaki Resource Centre. Display cases redesigned and constructed include: Thailand, Prehistoric People (2), Maori Musical Instruments, Maori Shell Fishing. The project to cover all mounted bird specimens with perspex is processing. The following list of birds were displayed in their environment and covered: Kingfisher, Spotless Crane, Silver eye, Myna, Kiwi, Weka, Caspian Tern, N.Z. Pigeon and Pukeko.

Juliet Hawkins spent 3 months in Europe and Great Britain visiting 23 museums. Her place was taken by John McCaw. In August Wendy Johnstone and Jorie Zwart attended a workshop "Interpretation" by Dr W Trampusch. All School Service staff attended a 4 day Museum Education Association Seminar in Dunedin, "Beyond the Limits - looking ahead in museum education". This was a valuable opportunity for the staff to share new ideas and directions in museum learning.

J.S. ENSOR

Entomology

Rosemary Gilbert has continued to curate the collections in her capacity as half-time entomological technician and she was able to give further assistance working full-time from December to February.

Amongst material received has been a collection of European moths and butterflies from Dr Karl Scherer and many specimens collected recently in the Waikato by Martin Burnell.

AIM Ann Report

1988 to 1989

A special exhibition "Art of Nature" was shown in August. This included four entomological exhibits of published and original artwork together with adjacent specimens of the insects depicted. Exhibits included D.W. Helmore pen figures for scientific publications, original water colours by D. Miller for his book on New Zealand Insects, a painting by Michael Shepherd and a drawing by Sylvia Siddell the loans of which were appreciated, and books by G.V. Hudson showing reproductions of his original colour figures over a period of 50 years. There were also books and Charles Heaphy watercolours from our own Library. The final touch was a mobile of cardboard New Zealand butterflies in colour, hung over the cases, which was kindly provided by Shirley Smith who painted the original watercolours from specimens in this Department.

Because of building strengthening work the insect room and entomologist's room had to be cleared and most of the collections apparatus and library moved into the Malacology Department on the west side of the building. Remaining cabinets of insects were sealed against dust. The Malacology office was made available for Entomology use, together with the Malacology library area, for insect work from the beginning of October to mid-January. On return to entomology rooms the opportunity was taken to re-arrange collections and the previous insect room now houses the New Zealand collections with space for more cabinets. The exotic collections are now held in other available spaces. This means that collections are more easily accessible and will be properly housed in classified order.

In conjunction with re-organisation of the "In transit" insect collections in January, the many collections made by Capt. J.A.F. Jenkins were listed. These comprise specimens collected on ships at sea (mostly with the aid of nets) and in overseas ports over the past 20 years. John Jenkins, who is also known as an amateur ornithologist from his observations of sea-birds, died in February and his visits to the Museum will be missed.

Extended field-work for my project on coastal tiger beetles (Coleoptera: Cicindelidae), reported last year, continued monthly until July. Subsequently the research work was completed and a paper published later in the year. This is the second publication to include research work done overseas in 1987. It was demonstrated that tiger beetles of a coastal species, on sand-dunes, vary in pattern with the sand colour (and composition) from the dark ironsands on the North Island west coast to the lighter sand from Muriwai north and the pale and white quartz sands of the far north. A separate species inhabits the sand-dunes south of the Whangarei Harbour on the east coast.

Other research work was on lacewings (Neuroptera) and a short paper recording some species and distributions in New Zealand was completed and published. Further collecting and research was done on whirligig beetles (Coleoptera: Gyrinidae) and a paper prepared for publication this year.

Volume 25 of the *Records* was published on 19 December 1988.

K.A.J. WISE

Ethnology

Ethnology staff have been involved in the usual wide range of activities during this year. Loans of artefacts to other institutions for exhibitions, both in New Zealand and overseas, have included Polynesian quilting going to the Fisher Gallery in Pakuranga, Ngati Kahungunu woodcarvings to the Hawkes Bay Art Gallery and Museum in Napier, a Maori rock carving from Maraetai to the Waikato Museum of Art and History, a steatite Archaic Maori bowl from Awamoa to the Otago Museum, and two Melanesian animal figures to the National Art Gallery. A loan of Niuean artefacts to the Niue Cultural Centre was renewed on special request.

I acted as the co-ordinator for a loan of eleven Easter Island artefacts from New Zealand museums, including three from the Auckland Museum, to an international exhibition of Easter Island culture at the Senckenberg Museum in Frankfurt, West Germany. Then, as the courier travelling with this consignment to Germany, I had the opportunity to make a four week study tour of German, Swiss and Italian museums with significant Maori and Samoan collections relevant to my research programmes. These collections were studied and photographed in the ethnographic museums of Florence, Basel, Frankfurt, Cologne, Bremen, Hamburg, Berlin and Stuttgart. Very helpful contacts were established with ethnology curators at all these institutions.

As well as loans, Ethnology and Archaeology staff also organised the return for reburial of several groups of human remains from North Auckland, at the request of the tangata whenua. In May, human remains from the Waimamaku burial caves were returned to the Hokianga people. The remains were farewelled from the museum and escorted by Hokianga elders, Museum staff and a Tainui party back to the Hokianga where they were interred in the Ahuriri cemetery, Waimamaku. In February, human remains belonging to the northern tribes of Te Aupouri, Te Rarawa, Ngati Kahu, Ngapuhi and Ngati Wai were returned to their respective areas for reburial. Several museum staff participated in this return, with the people of Te Tai Tokerau who had travelled to the museum to uplift the remains. A strong contingent of Tainui people, including Te Paea Muru, accompanied the remains to the northernmost marae involved, which was Te Potahi at Te Kao. Leaders and elders from several tribal areas have expressed goodwill towards the museum for its response to these requests.

The full-size display photographs of the Te Kaha carvings which substituted for the originals during their absence in the Te Maori exhibition have now been presented to the Te Whanau-a-Apanui Area School for permanent display in the school assembly hall.

All of the Maori cloaks from the Te Aho Tapu exhibition have been stored in specifically-designed acid-free cardboard boxes until new large flat drawer cabinets can be constructed. Planning for these cloak cabinets has required much consultation with conservation and materials experts, and a prototype is now being built. The planned re-organisation of the

AIM Ann Report

1988 to 1989

Archaeology and Ethnology offices will provide a large storage area for the Maori cloaks in these new cabinets.

A special exhibition in December and January entitled "Mats of the Pacific" was a major commitment for Ethnology, Conservation and Display departments. It opened with a week of craft demonstrations and temporary displays in the auditorium by three Auckland Niuean groups and several Maori mat makers from Turangi, Te Kuiti, Rotorua, Papakura and Auckland. At the conclusion of the exhibition, nine of the Niuean mats were purchased for the Museum. The National Museum and the Waikato Museum then requested this exhibition to tour to their venues.

At the end of the year, guest curators Len Stanners and Richard Moyle selected representative Pacific musical instruments from the Auckland Museum's collection for the special exhibition "Sounds of Oceania" which opened in early April 1989 with a week of Polynesian music and dance presented by pupils of Nga Tapuwae College. The Museum published a comprehensive catalogue of the Pacific musical instruments collection written by Richard Moyle in conjunction with this.

The Pacific canoe gallery has been completely refurbished with the assistance of Dante Bonica who carried out much necessary cleaning and lashing repairs. Layout planning and selection of items for the eastern Maori gallery has continued, with three meetings of the Maori Advisory Panel.

Mike Pendergrast served as a judge for a Niuean mat exhibition at the Waiaatarau Community Centre. I was invited to attend the meeting in Auckland of Nga Kaiwawao, the Maori Advisory Committee for the Museum of New Zealand Te Papa Tongarewa. I also attended a Cultural Conservation Advisory Council seminar on conservation surveys in Wellington, and a workshop on Maori cloak storage cabinets in Wellington. Te Warena Taua gave lectures to Town Planning students in Auckland University and to 1990 Commission guides. Mike Pendergrast and I both gave lectures to volunteer guides and to the Auckland University Pacific Studies class and Elam art students. I have contributed articles on Maori art, Polynesian art and Maori culture for two Oxford University Press Encyclopedia projects and two essays on Maori carvers for the New Zealand Dictionary of Biography.

Mike Pendergrast, John Coster and I made a fieldtrip to Turangi and Tokaanu, visiting and advising on collection management at the Kokiri Centre, the Information Centre and the Grace Family Museum. Meeting houses near Lake Rotoaira were also photographed for my ongoing research on Arawa carvers and Maori figurative painting. Research into these topics was also pursued at the National Museum, Wanganui Museum, Te Awamutu Museum and the Alexander Turnbull Library.

Volunteer Leith Watt now has the departmental colour slide and negative collection well under control and Len Stanners continues to update his catalogue of musical instruments.

Visitors to the department have included Dr Steven Schreiber from the University of Miami, Milles M. Moreau and J. Chave from l'Ecole du Louvre in Paris, Gisborne Polytechnic students, an Otago Museum staff group, a group of Brazilian journalists, an Arawa group, Dr Michael Ames from the University of British Columbia, Dr Euan MacKie from the Hunterian Museum in Glasgow, Mr Bwere Eretaia of the Ministry of Home Affairs in Kiribati, Mangara of Nigeria, Dr Jean-Paul Latouche and Mrs Latouche of the National Centre for Scientific Research in Paris, and H.R.H. Prince Albert of Belgium.

Major purchases included the nine Niuean mats, a Tongan basket, a Hauraki tiki, several Papua New Guinea carvings and implements, a Solomon Islands bonito canoe, a collection of West African masks and figures and several Maori artefacts from an important private collection in Wellington.

Among the important gifts received was a large collection of Solomon Island weapons and implements from the Methodist Theological College at Meadowbank, Santa Cruz and Malaysian material from Mrs W Blake-Palmer, a Maori stone figure from Mr J Ah-Mu, and a South Asian collection from Mrs A Barnes and Dr Tyndale-Biscoe.

ROGER NEICH

Liaison Service

The Museums Liaison Service continues to function with the generous assistance of the New Zealand Lottery Board.

I began work as Museums Liaison Officer in August, following a gap of some four months since Julie Catchpole's resignation. The major role of the Liaison Service is to provide advice and assistance to local museums, and so much of my time since my appointment has been devoted to dealing with enquiries from museums and related institutions. Enquiries cover a wide range of museological topics, among which the establishment and extension of museum buildings has been one of the most frequent. As a result, a lot of interest has been shown in sources of funding for museum building projects. Conservation and care of collections, including control of insect pests and physical conditions such as light levels, have also been major subjects of enquiry. The Museum's conservators have been most generous in providing advice and information on these and related topics.

The need for clearly stated policies to define the scope and purpose of museums and their collections has also been a frequent subject of discussion with the museums I have dealt with. Developing museum registration systems and the setting up of interpretive displays are areas in which the Liaison Service has provided assistance to the Waitangi National Trust, the Department of Conservation and the Manukau City Council.

AIM Ann Report

1988 to 1989

Of particular interest has been my involvement with the Maori community. A good working relationship has formed with the Department of Maori Affairs in Whangarei and I am involved at present with proposals to set up or expand small tribal museums at Te Kao, Opononi and Tokaanu. I was privileged, too, to be involved in the return of koiwi from Auckland Museum to their home areas in Te Tai Tokerau.

I have made visits, usually in response to specific enquiries, to about a quarter of the museums in the Northern Liaison Service region. I see these special visits as a most important aspect of my work, and a major priority for the immediate future, but I anticipate that it will be at least another year before I have visited all the museums in the region.

Area meetings are an effective way of meeting museum people without extensive travel on my part. The Northland museums have organised two such meetings since I have been Liaison Officer, the second of which incorporated workshops in registration techniques and marketing. A workshop on interpretation, organised by Sherry Reynolds, was held at this museum in September, and the museum has hosted visits from staff of the Museum of Puppets and from the Directors of the three service museums at Devonport, Waiouru and Wigram.

In addition to those mentioned above, I have attended workshops in display and interpretation, at Canterbury Museum, and on garden history, organised by the Queen Elizabeth II National Trust, at Highwic. I have attended meetings of the Museum Education Association, in Dunedin, the museum registrars group, in Hamilton, and the Lottery Board's Art Galleries and Museums Scheme Advisory Committee in Wellington. These opportunities to meet museum colleagues have been very fruitful, both as learning experiences and as a means of establishing professional contacts. I have also taken the opportunity to visit local museums when attending meetings out of the Auckland region.

I have spoken to meetings of the Huntly Mining and Cultural Museum Board, and of the Wainui Historical Society, and have represented the Director on the board of the Whakatane and Te Awamutu district museums. I have also been involved in the drafting of a code of ethics for museum registrars in New Zealand.

During the year, I have retained some involvement in the archaeological profession, including acting as Secretary for the Institute of New Zealand Archaeologists. I have prepared submissions on proposed revisions to the Historic Places Act and, on behalf of the New Zealand Archaeological Association, on the resource management law reforms currently being undertaken by the Government.

The Museums Liaison Service has become well established in the Auckland region over the last eight years. Its service are clearly much in demand and I feel it has an important role to play in the development of small museums and galleries. The willing assistance and advice of professional staff in the Auckland Museum provides an essential backup to the service.

JOHN COSTER

Library

During the year lack of storage space became acute as several large Manuscript and Photograph donations were received. Future plans for mobile shelving installations will help this situation, although it is doubtful whether existing library areas will ever be entirely adequate to cope with the large collections we attract. Library staff coped well with a work load which was evident in the greatly increased use of the research collections and public demand for genealogical and local history resources. As in previous years the library was closed in December to enable cataloguing back-logs to be attacked. Investigations continued into the possibilities of library computerized including a terminal to access information data bases.

Visitors included several genealogical groups and special visits were arranged for members of the Eastern Suburbs, Te Puke and Wellsford Groups of the New Zealand Society of Genealogists. I addressed several Proburs Clubs, New Zealand Military History Society, New Zealand Fencibles Society, Auckland Branch, New Zealanders Founders Society and Auckland Chapter, Special Libraries and Information Services Section, New Zealand Library Association. Gordon Maitland jointly organised the seminar Photography Collections: Management and Preservation held in the Museum and took part in a Photoforum workshop in Wellington where he introduced a slide presentation on the Maori in Photography. As in the previous year staff attended meetings of Auckland and Waikato librarians concerned with Maori research collections. Several staff also attended other relevant educational courses. Katrina Barrett took part in Working with Archives, an eight week lecture course, Geraldine Molloy completed the first section of course work leading towards her New Zealand Library Studies Certificate. Four staff members attended a special Photographic Conservation workshop held at National Archives, Auckland.

Several very large donations of manuscripts were received which stretched the library's storage capacity to the limit. These accessions included papers of the Auckland Gas Company, Auckland District, Ancient Order of Foresters, and the papers of the well known botanist, the late Miss Lucy B. Moore. Eddie Sun continued to make good progress with manuscript cataloguing and received valuable assistance from our voluntary assistants, Mrs Nancy Croad, Miss Enid Evans, Mr John Bellingham, Mrs P. Sayes, Miss Olive Poole and Mr Jack Harold. The library continues to act as a repository for Presbyterian Church records from the Auckland area. Many items were lent for copying including early Northland Anglican baptismal and marriage registers.

Many significant donations were received. The photographs of Mr Roland Ward date back to 1928 and feature Auckland, Hawkes Bay and Northland. The other substantial photographic accession was the collection of Mr Olaf Petersen of Swanson, widely respected as a landscape, natural history and portrait photographer. Over 1,000 books on Chinese and Japanese art and history were bequeathed by Miss Jean

AIM Ann Report 1988 to 1989

Barrie, for many years a staff member of the Victoria and Albert Museum. Mr and Mrs T D Anderson gave two maritime paintings by Frank Barnes of S.S. Rimutaka and S.S. Ionic.

The Photograph Collection continues to provide source material for media presentations and for publication. Two new titles which used our resources are Tarawera by Ron Keam and Pictorial History of New Zealand by Shirley Maddock. Good progress was made with the huge back-log of uncatalogued photographs when the library closed during the first part of December. Gordon Maitland organised a team effort enlisting all the library staff plus student assistants Joanne Yeats, Sigi Jottkandt, Ben Curnow and Juliet Palmer. During the year welcome assistance has been received from voluntary assistants Betty Maddock, Jan Hawkins and Janice Mogford. In the absence of a permanent photographic cataloguer, it is planned to repeat this exercise during next year's closure. In addition to photographs received by donation, much important material was lent for copying. Examples were the W.T. Bithell Album which depicts Samoa at the time of the German administration and the Bradbury Collection of scenic New Zealand views of the 1920's and 1930's.

Thanks are due to several others who have assisted in various ways: Pat Bond and Sheila Gray have re-organised our large ephemera collection; Nancy O'Reilly continues to check the book sequences; Nola Arthur works with the Maori Names Index; Nola Easdale played a major part in organising the exhibition "*Surveying a Century*" held in the Museum during December to mark the centenary of the N.Z. Institute of Surveyors. Others who have helped us were Rie Fletcher, Anne Carpenter, Kelvin Simpkin and John Webster, and the members of the N.Z. Women's Archives Committee.

IAN THWAITES

Marine Biology

The early retirement of Walter Cernohorsky in May 1988, brought a considerable shift and widening in departmental duties to provide interim curatorial oversight for mollusca in addition to the usual Marine Biology programme. Not unexpectedly it has not been possible to offer a full range of services, particularly those requiring a specialist knowledge of mollusca, but scientific contacts and loans have been handled throughout both collections at much the same levels experienced in previous years. Together with Jenny Oats the programme for the monthly meetings of the Conchology Section was met on all occasions.

Overseas visitors have included Dr Alan Kabat, Harvard University, to study Naticid molluscs as part of a worldwide revision; and Karen Gowllett-Holmes, South Australian Museum, to investigate New Zealand chitons. Concurrent to the latter visit we were able to research and return to the South Australian Museum an outstanding portion of a loan, arranged through Dr Powell, for B.A.N.Z.A.R.E. mollusca.

The need to acquaint ourselves with the molluscan collections at a basic level has been steadily worked at by both Jenny and myself. Part of this introduction is being assisted by a programme to progressively improve storage security and labelling of specimen lots, together with a group by group reorganisation at the family level. A reallocation and improvement to work spaces within the department has commenced simultaneously.

We were very pleased to gain a significant provision of modern shelving, within a new storage area, for all (non molluscan) marine invertebrates. By arranging a cross-transfer with the Maritime collection we have also achieved an even more satisfactory area for invertebrate storage, adjacent to other marine biological collections, this having important implications for resource management. A particular lengthy input into collection reorganisation and the technical needs for labels and fluid replacement throughout the invertebrate groups was carried out by Jenny Oats.

Major construction for laboratory and work space nears completion. These shared facilities will create a new atmosphere for the museum's Natural History departments, providing a centralised common resource and having the potential for a higher degree of coordinated work practises.

The temporary exhibition "Art of Nature" was open to the public during August and attracted considerable interest and favourable comments. The display brought together a variety of specimens, scientific drawings and art forms, with contributions being arranged principally from the Natural History departments. Some major art works were kindly lent from private collections during the period of the exhibition and these allowed us to interpret museum materials on a much wider scale.

Additions to the collections have continued at a steady level, particularly improving our holdings of deepwater fishes and collecting new materials from a series of scuba surveys along northern coasts. A period of fieldwork at Port Pegasus, Stewart Island, was recently completed. This joint participation programme investigated communities over a number of quite diverse habitats in a remote and relatively unexplored area. Preliminary results show that the data and specimens collected (held jointly by the Auckland and National Museums) will make a significant addition to the knowledge of Stewart Island fishes. In addition they will give a useful basis for comparisons with other coaster and island faunas already surveyed.

Earlier an opportunity was taken to attend a meeting of scientists, all of whom work with New Zealand crustaceans, organised through the National Museum. This meeting coincided with the visits of Dr L. Holthuis, a leading world authority on crustacea and a member of the board of the International Commission for Zoological Nomenclature. Some additional time was spent obtaining data from the National Museum collections and being involved with discussions on joint research into the taxonomy of a large deepwater crab recently discovered to be part of our fauna.

A. B. STEPHENSON

AIM Ann Report 1988 to 1989

Ornithology

Some 150 dead birds were received from the public, including many excellent specimens from the organisers of Bird Rescue Auckland. Additions of processed specimens to the bird collection numbered 116, including 53 study-skins and 55 skeletal specimens prepared by Jenny Oats. The bones were cleaned by cold-water maceration. The herpetology collection increased by 168 after registration of a collection presented by Miss J Robb, specimens received on exchange about 1880 from the Geneva Museum and specimens I collected in Tonga.

With assistance from Jenny Oats I finished the reorganisation of the non-cetacean mammals started in 1984. There are 500 specimens, half from New Zealand. The birds preserved in spirit, mammals in spirit and type specimens were rehoused in 4 new steel cabinets. The Department of Conservation four-digit codes for ecological districts of New Zealand have been adopted for use in the department when recording localities, and Jenny Oats began assigning codes to the backlog of catalogue cards. I began a major stock-take of the bird study-skins involving rearrangement of specimens within cabinets, restoration of the wooden trays and checking label details against the catalogues. To update loan records, form letters were despatched to 90 institutions (including schools and small museums) that have taken stuffed birds on "indefinite" loan during the past 20 years. The department was vacated for 7 weeks while the ceiling beams were strengthened. All specimens exposed to dust, and the entire contents of the office, were moved to the Malacology storage area.

I made two visits to Little Barrier Island to census the banded Whiteheads. Signs of band failure suggest that it is time to end the study, now at the end of its fifth year. I finished a year-long programme of bird counts in the Domain bush, analysed the results and wrote a paper for publication. I prepared the section on rails for the new checklist of New Zealand birds, and spent three weeks in Tonga (Tongatapu, Lifuka, Foa and Lofanga Islands) observing birds and collecting reptiles.

I planned displays on the shining cuckoo, tuatara, kiwis and Mesozoic marine reptiles for the temporary exhibition "Art of Nature" which was open throughout August. I gave a talk to the new intake of Volunteer Guides, and participated in three meetings of natural history societies at which I was one of two or three speakers. I attended Ornithological Society council meetings in Napier and Wellington, and made a second trip to the capital for a meeting to discuss the place of natural history in the proposed new Museum of New Zealand. Museums visited during the year were the National Museum (twice) and Hawkes Bay Art Gallery and Museum, Napier. I examined an M.Sc. thesis for Auckland University and refereed a paper for the Australian journal *Emu*.

Jenny Oats spent 9 days at the National Museum being tutored by Mr Noel Hyde, their Ornithology Technician in the preparation of bird study-skins. There, and also at Otago and Canterbury Museums, she met natural history staff and saw work and storage areas. She has learnt to prepare

top class study-skins of birds ranging in size from grey warbler to pheasant. Jenny gave a talk about taxidermy, and helped the display team set up and dismantle "Art of Nature".

B.J. GILL

Astronomical Section

The Auckland Observatory was open for 45 Public nights. The Auckland Astronomical Society provided staff for these evenings.

During May, Auckland hosted the R.A.S.N.Z. Annual Conference. Guest speakers were Mr David Allen from the Anglo/Australian Observatory, Douglas McCarty and Wayne Ochiston from Mt Hood U.S.A.

There were some interesting meetings. Speakers included Prof. Phil Yock on the JANZOS Experiment and Supernova 1987A; Dr Robert Nola, "Doubt and Certainty in Science"; Dr David Dix, "Spectacular Success and Failures in Amateur Astronomy", Mr John Smith of the British Astronomical Association on radio astronomy.

The Society has acquired a Schmidt Camera intended for the use of membes. Development of techniques for the use of this camera are still under way. There has also been a terminal purchased for use by members to access the Observatories computer bulletin board system. The Society's *Journal* is now published bi-monthly and has proved to be a popular and well read publication. Computer production maximises the amount of information that each addition carries.

In 1988 2872 visitors to the Auckland Observatory attended 45 Tuesday evening sessions, with a further 1240 casual visitors. 3820 school children attended formal daytime sessions, with many others included in the 1173 people who attended the Wednesday evenings set aside for social groups, scouts, guides and similar parties. Other events raised the total attendance to 10,900.

A comprehensive astronomy programme for school children is being developed in conjunction with the Education Board's Science Advisory Officers. As part of this a Seminar for Science Teachers was conducted and delegates to Psicon in August attended displays and events at the Observatory.

Research has continued, with the highlight being the detection of a planetary atmosphere around Pluto on 9 June. The 10 millisecond, photo-electric observations allowed a determination of the diameter of this planet - 2100 kilometres. Normal programmes involving the photo-electric measures of Eclipsing Binary and other stars have continued. Several papers were presented at the Annual Conference in Auckland in May, 1989. A week-end Symposium on observational astronomy was well attended, as was a five week lecture series on Contemporary Astronomy. From October onward, the very high percentage of cloudy nights hindered many of the research programmes initiated.

AIM Ann Report 1988 to 1989

A computer based Telephone Information Service has been set up – (09) 656 874. This is now widely used, with many schools taking advantage of its information on general astronomy and research. In 1989 it will be extended to include actual research data and later to allow selected users direct access to the remotely sited Automatic Photo-electric Telescope (APT) under development.

The Observatory assisted the visit to New Zealand of Dr David Crawford, a noted astronomer and clear sky advocate. It can now provide information from, and accept subscriptions to, the International Darksky Association, an organisation devoted to the protection of our rights to see the stars. It also sponsored the Third New Zealand Photo-electric Conference, a successful international event held at Blenheim in March 1989.

1988 marked the twenty-first anniversary of the opening of the Observatory in March 1967 by Sir Bernard Fergusson, the Governor General. A series of events to mark this occasion included a brief address by the Minister of Science, The Hon R.J. Tizard.

G. URQUHART

Conchology Section

While the membership is steady there has been a surge of interest in the Conchology Section shown by increased numbers at the monthly meetings. Visiting speakers and members have covered a wide range of topics, such as sea slugs by Professor M.C. Miller, molluscan evolution by Professor J. Morton, and Antarctic diving by Andrea Penniket (it was fascinating hearing about diving under 2 metres of ice!)

The focus of the year was the Shell Show held in September at Pakuranga. Members from around New Zealand gathered to discuss conchology. Over 500 visitors enjoyed the hall of exhibits. There was an auction on the Saturday evening.

The Easter trip was to Hiki, Northland. The Scuba divers definitely did better than the mere shore collectors. Day field trip visits were made to Snells Beach and Mahurangi Region Reserve.

In August members acted as leaders for a large group of "Forest and Bird" and the Kiwi Conservation Club. The best day of winter saw combined groups investigating low tide at Te Arai Point. Steve O'Shea led an expedition of members and Junior James Club to Rangitoto. Shore statistics were gathered. Margaret Morley gave a talk to "Forest and Bird". Displays have been set up for the Pakuranga Library and Town Centre, also for North Shore Hobbies Day.

Two editions of the magazine "Poirieria" have been published. Colour photographs are proving a popular addition.

Walter Cernohorsky has been missed but we thank the Museum Council for continuing to make the room available. Our thanks also to Jenny Oats for her support and assistance.

We would welcome any visitors or intending new members to our meetings on the second Tuesday of the month at the Museum.

Officers: Patron, Professor J.E. Morton; Vice Patrons, Mr W.O. Cernohorsky, Mr N. Gardner; President, Mrs M. Morley; Vice Presidents, Mr R. Grange, Mr T. Enderby; Secretaries, Mrs E. Grange, Mrs M. Town; Treasurer, Mrs S. Town.

MARGARET MORLEY

Maritime Section

The Maritime Society has had somewhat of a mixed bag this past year as far as meetings are concerned. With a change in venue for our monthly meetings in November being probably the biggest change the Society has had to face in recent years, the monthly format of meetings has settled once more into a routine. We now meet in the Nautical School rooms of the Jean Batten Building in Fort Street, on the fourth Thursday of each month except December.

The past year's meetings and activities have been very varied. There was an excellent attendance for the Annual General Meeting followed by a selection of movies. Other meetings have included Members' slide evenings; Honorary Secretary Terry Sutcliffe with an account of his visit to some of the Maritime Museums in Australia; two film evenings; Cliff Hawkins' talk on his recent visit to Finland and Mariehamn, the home of the once-famous 'Flying P' fleet of sailing ships.

In October there was something different with a sea shanty evening with the Devonport Folk Group. The door takings for the evening were presented to the 'Toroa' Preservation Society to aid in the restoration of the old steam ferry. This was also our final meeting at the Seafarer's Centre. At the first meeting in the new venue a selection of videos was screened. Newsletter Editor Richard Ward spoke about a voyage to the Pacific Islands on board the container vessel, 'Forum Samoa'. Mr Richard Linn spoke on a recent voyage to the Antarctic Peninsula on board the small cruise ship, 'World Discoverer'.

The Society's Annual dinner held at McHughes of Cheltenham was well attended and with author Tessa Duder as our after-dinner speaker all found the evening to be rewarding in both mind and body. There was no organised Society excursion this year although other events had been advertised and well patronised by our members, including a trip on Harry Julian's 'Sea Flight' to Whangarei and return. The Society remains financially sound which is a credit to our very able Treasurer, Mr Graham Perkins. The Officers for the past year have been: Chairman, Robert

AIM Ann Report 1988 to 1989

Hawkins; Secretary, Terry Sutcliffe; Treasurer, Graham Perkins; Newsletter Editor, Richard Ward; Committee Members, Dennis Eales, Bill Laxon, Jim Gall, John Webster, co-opted member, Jeff Buddle.

R.J. HAWKINS

STAFF PUBLICATIONS

April 1988 to March 1989

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- 1989 Waihi Obsidian. *Archaeology in New Zealand* 32 (1): 26-30.

GILL, B.J.

- 1988 Healed long-bone fractures in wild birds. *N.Z. Veterinary Journal* 36: 95-96.

- 1988 Record of birds and reptiles from Tonga. *Rec. Auckland Inst. Mus.* 25: 87-94.

- 1989 Bones of contention - what do we know about the posture of moas? *AGMANZ Journal* 20: 30-32.

GILL, B.J. I.G. MCLEAN and -

- 1988 Breeding of an island-endemic bird: the New Zealand whitehead *Mohoua albigilla*; Pachycephalinae. *Emu* 88: 177-182.

PARK, STUART

- 1988 AGMANZ: a retrospect. *AGMANZ Journal* 19 (2): 7-10.

PRICKETT, NIGEL LOUISE FUREY and -

- 1988 Author, Title and Subject Index of the 'New Zealand Archaeological Association Newsletter' Volumes 1-30, 1957-1987. *N.Z. Archaeological Assoc. Monograph* 16.

TAUA, TE WARENA

- 1988 Tangata whenua perspectives on bulk water options within the tribal boundaries of Ngai Tai. Auckland Regional Authority.

WISE, K.A.J.

- 1988 Sand-dune tiger beetles of northern New Zealand coasts (Coleoptera: Cicindelidae). *Rec. Auckland Inst. Mus.* 25:147-180.

- 1988 Lacewings and aquatic insects of New Zealand. 4. New records and further distributions for Neuroptera. *Rec. Auckland Inst. Mus.* 25:181-184.

WRIGHT, A.E.

- 1988 Herbarium Report: Auckland Institute & Museum Herbarium (AK). *N.Z. Botanical Soc. Newsletter* 14:9.

- 1989 *Pennantia baylisiana* fruiting on Great Island. *N.Z. Botanical Soc. Newsletter* 15:9.

WRIGHT, A.E. S.M. BEADEL and -

- 1988 Checklist of the vascular plants of Wairakau Scenic Reserve, Kaimai Range. *Rotorua Botanical Soc. Newsletter* 14:15-18.

WRIGHT, A.E. E.K. CAMERON and -

- 1989 *Lupinus arboreus* - northern dieback as well. *N.Z. Botanical Soc. Newsletter* 15:16.

AIM Ann Report 1988 to 1989

ACCESSIONS 1988-89

We are grateful to the following for the gift of items during the year:

Lady M. Fleming, Sir William Rodger

Drs: A.G. Armitage, R.C. Cooper, J. Davidson, M. King, G.A. Nicholls, K. Scherer, A.D. Thomson, C.H. Tyndale-Biscoe.

Messrs: J.B. Barker, J. Barr, D.H.S. Bates, T. Bendall, A. Berry, B. Biggs, D. Bonica, H.B. Burgess, N. Cleeve, T. Clemens, R.C.R. Cooper, M.W. Coutts, J.C. Davenport, D.H. Davison, G. Dingley, R. Draffin, B. Dunsbee, G. Ell, S. Ensor, F.G. Fairfield, G. Foster, J. Gall, R. Gardner, B.B. Given, D. Gunson, D. Hall, H. Hanlon, G. Harcourt, J. Harold, C.O. Harris, V.K. Hjorring, J. Holloway, R. Holloway, H. Hughes, G. Hunt, T. Jaques, A. Kemp, L.F. Langton, W.A. Laxon, K.E. Lipanovic, J. Little, R. Lockley, D. Luther, C.J.R. McCorquindale, J.D. McCraw, W. McCufferty, W.K. Malins, R.L. Macky, S. Mandel, J.P. Millar, M. Millett, J.F. Milner, P. Moon, James Ah Mu, C.N. Nicholls, P.M. Norris, A.D.S. Pigott, P. Raos, R.S. Rawlings, C.G. Rodliffe, F. Roome, R.J. Rowe, J. Saunders, R. Schofield, J.D. Shepherd, R.B. Sibson, W.B. Silvester, K. Slattery, A.J. Slyfield, C. Smith, D.L. Smith, J. Smith, P. Soljak, P. Spencer, L.S. Stanners, L. Stephenson, A.G. Stevenson, J.W. Stokes, H.W. Stone, D.K. Storey, A. Stratton, Tareta, G. Tee, F.P. Teuita, J.L. Thompson, E.G. Turbott, D. Wakefield, B.H. Walton, R. Ward, P. Warren, A.C. Watson, A.P.B. Watson, J.P. Webster, J. Whiteside, C. Whyte, E. Willis, R. Wood, G.H. Worsfold.

Mesdames: V.J. Abrahams, M.A. Adcock, M.A. Angell, A. Barnes, P. Bratt, B. Berridge, M. Best, E. Blake-Palmer, A. Bromwell, J. Brown, M. Brown, F.J. Cairns, W. Campbell, A. Carrington, L. Castle, J. Chisholm, E.M. Christie, M. Clark, E. Cleave, T. Cooper, W. Costley, L. Cranwell Smith, P. Croucher, K. Darby-Holehouse, B de Lange, J. Druett, P. Dunsbee, O. Englund, M.B. Gamble, B. Gordon, B.W. Herbert, K. Hunt, N.D. Ingall, J. Kilduff, N. Kingi, B. Kivi, L. Lapish, L. Leal, N. McCormack, J. McVeagh, S. Maddock, E. Mason, P. Mason, A.M. Miller, P. Nicholas, A. Osborne, E. Ousby, A. Paul, A.E. Poffley, B. Rattray, G.A. Reiher, R. Ritchie, E. Roberts, W. Russell, A.M. Scarfe, T. Scanlen, J. Shanks, O. Smith, K. Stamp, T.M. Staunton, S. Taine, J. Tanner, D. Veningar, M. Vitali, M.J. Watt, M. Webster, S. Weight, M. Williams, D. Wilson, A.C. Worden, L. Wyatt, I.F. Young.

Misses: P.M.S. Alexander, N. Bramford, J. Clark, S. Cotter, P.M. Crowley, S. Dean, F.L. Johnston, A. Kuraia, G.E. Mulvihill, M.G. Park.

Ms: S. Fitchett, C. Fleming, F. Hood, B. Lawn, M. Mitchell, J. Robb.

AIM Ann Report 1988 to 1989

Mr & Mrs T.D. Anderson, Dr & Mrs J.E. Church, Mr & Mrs N. Culpan, Mr & Mrs R.F. Culpan, Mr W. Halliday & Ms P. Jackson, Mr & Mrs J.W.P. Hopmans, Mr & Mrs N.P. McKegg, Mr & Mrs A. Neville, Mr & Mrs J. Osborne.

American Center, Auckland Public Library, Birkenhead Public Library, Christchurch City Council, Dominion Road School, East Tamaki School, Mangonui R.S.A. Old Puhoi Convent, Orakei School, Presbyterian Church Mt Albert, Rodney College, Warkworth Rotary Club, Whangaparaoa Horticultural Society.

RECENT BENEFACTORS OF THE AUCKLAND INSTITUTE AND MUSEUM

(A complete list since 1876 last appeared in the Annual Report for 1979-80).

MONETARY GIFTS

- 1979 **Auckland Savings Bank:** \$4,000 for audio-visual introduction to Hall of the Pacific and towards the cost of installing further mobile shelving in Herbarium.
Corbans Holdings Ltd: \$500 towards cataloguing and housing costs relating to the Corban family archives.
Miss J. H. G. Gollan: Bequest of \$203.
New Zealand Law Society: Donation of \$500.
Sir John Logan Campbell Trust: \$15,000 as third instalment of a total of \$51,000 towards the installation of 'Auckland Landscapes - Past and Future'.
Dr Lucy M. Cranwell: \$4,000 towards the publication costs of *The Botany of Auckland*.
- 1980 **Auckland Savings Bank:** \$4,000 for modifications to Maori Court display cases.
Sir John Logan Campbell Trust: \$16,000 as final instalment of a gift of \$51,000 towards the 'Auckland Landscapes - Past and Future' installation.
Mr W. L. Cooke and family: A property valued at over \$55,000, the income to be used for library purposes.
Miss R. M. Peek: Bequest of \$3,100.
Mr D. F. Whitmore: Bequest of \$500.
- 1981 **Auckland Savings Bank:** \$4,000 for care and storage of collections.
Sir John Logan Campbell Trust: A further grant of \$9,000 towards 'Auckland Landscapes - Past and Future'.
Miss A. Z. Dixon: Bequest of over \$50,000.
Mr E. F. Hilton: Bequest of over \$23,000 for the purchase and display of shells.
New Zealand Insurance Co. Ltd: \$20,000 for the film for 'Auckland Landscapes'.
Smith and Caughey Ltd: Donation of \$5,000.
Mrs L. E. Worth: The C. H. Worth Memorial Fund of \$12,000.
- 1982 **Auckland Savings Bank:** \$5,000 towards improving disabled access at the Museum.
- 1983 **Auckland Savings Bank:** \$5,000 towards the development of conservation facilities.
Department of Internal Affairs, Lottery Profits Board of Control, Committee for the Conservation of Cultural Property: \$10,000 towards the development of conservation facilities.

AIM Ann Report 1988 to 1989

- Department of Internal Affairs, Lottery Profits Board of Control, Scientific Research Distribution Committee:** \$10,000 in support of the publication of a Museum *Bulletin* By Mr W. O. Cernohorsky; \$3,000 in support of the publication of a Museum *Bulletin* by Lady Aileen Fox.
- Disney Art Trust:** A\$7,500 to assist in the purchase of objects for the Applied Arts Department at the Museum.
- New Zealand Society of Genealogists:** \$1,100 towards the purchase of a microfilm reader in the Museum Library.
- Sir John Logan Campbell Trust:** \$10,000 for the development of the Maori display galleries at the Museum.
- Telethon Trust for the International Year of Disabled Persons:** \$5,000 to assist in improving disabled access at the Museum.
- Willi Fels Memorial Trust:** \$2,500 towards the publication of the Museum *Bulletin* by Lady Aileen Fox.
- 1984 **Auckland Savings Bank:** \$5,000 towards Maori display development.
Sir John Logan Campbell Trust: \$5,000 towards Maori display development.
Mr R. B. Sibson: \$2,000 for purchase of books for Museum Library.
Disney Art Trust: A\$8,000 for purchase of applied arts objects.
- 1985 **Auckland Savings Bank:** \$6,000 towards Maori display development.
Sir John Logan Campbell Trust: \$15,000 for a model in the Maori display development.
Disney Art Trust: A\$9,000 for purchase of applied arts objects.
New Zealand Lottery Board: \$50,000 towards Maori display development, \$17,000 for Museums Liaison Officer, \$15,000 for scientific research.
- 1986 **Auckland Savings Bank:** \$7,000 toward Maori display development.
Sir John Logan Campbell Trust: \$5,000 for ceramic storage.
Disney Art Trust: A\$21,600 for purchases of applied arts objects.
New Zealand Lottery Board: \$20,000 for a vehicle, and \$20,172 for salary and expenses for Museum's Liaison Officer; \$50,000 towards Maori display development.
Mr J. Seabrook: A bequest of \$5,000.
Dr L.A. Spedding: A bequest valued at over \$150,000.
- 1987 **Auckland Savings Bank:** \$7,000 toward ceramics study storage.
Disney Art Trust: \$26,825 for purchases of applied arts objects.
Fletcher Challenge Charitable Trust: \$2,000 for school loan displays.
New Zealand Lottery Board: \$24,093 towards salary and expenses for the Museums' Liaison Officer; \$20,000 for lichen curation; \$3,000 for study of whiteheads.
- 1988 **Auckland Savings Bank:** \$8,000 towards the Maori carving store developments.
Bank of New Zealand: \$3,000 for general purposes.
Disney Art Trust: \$47,415 for the purchase of Applied Arts objects.
Firth Concrete Products: Sponsorship of "The Firth Dinosaurs"

AIM Ann Report 1988 to 1989

Logan Campbell Residuary Estate: \$8,000 for World War One Displays.

Mr R.A. Yock: \$3,050 from the R.A. Yock Charitable Trust.

New Zealand Steel: Sponsorship of "Te Aho Tapu" exhibition.

New Zealand Lottery Board: \$104,665, towards the redevelopment of the Maori display and storage areas, the salary and expenses for the Museums' Liaison Officer, research on the Whiteheads of Little Barrier Island and the publication of Three Kings Islands research.

1989 Auckland Savings Bank: \$15,000 towards the development of World War I displays.

Cultural Conservation Advisory Council: \$50,000 towards the *Hotunui* paint conservation project.

Firth Concrete Products Ltd: \$63,000 from the Firth Dinosaurs exhibition towards a special project.

Disney Art Trust: \$80,606.18 for the purchase of Applied Arts objects.

Lady Aileen Fox: \$2,700 for archaeological and ethnological books.

Logan Campbell Residuary Estate: \$7,000 for refurbishing the Canoe Hall.

New Zealand Lottery Board: \$168,552 towards the redevelopment of the Maori display and storage areas, the building strengthening and refurbishing, the salary and expenses for the Museums' Liaison Officer, the New Zealand Fern Atlas and the Bartlett Herbarium.

SPECIMENS AND BOOKS

1979 Miss A. T. H. B. Cumming: Victorian and Edwardian jewellery.

Dr E. C. S. Little: Chinese decorated silver presentation bowl.

Mr L. Wintle: Collections of Chinese enamels and ceramics, and of English china and glass.

1980 Mr John Seabrook, C.M.G.: A holograph letter of James Cook.

1981 Mrs Mavis Bramely: A collection of Maori artefacts from South Manukau.

Miss A. T. H. B. Cumming: A collection of eighteenth and nineteenth century silver and china.

Mr A. G. W. Dunningham: For the Margaret M. Dunningham Collection, nineteen items from the Balinese Folk Art Exhibition, 1974-75, and items from India, China and Indonesia.

Mr Dick Scott: A collection of material related to the New Zealand wine industry.

1982 Mrs G. E. Bell: Bequeathed a painting by C. F. Goldie.

Mrs N. Hodges: A Geneva or Breeches Bible, 1611.

AIM Ann Report 1988 to 1989

- 1984 **Mrs Aya Kiuchi:** Collection of woven textiles from Asahikawa, Japan.
- 1985 **Bequest C. R. G. Bassett V. C.:** Group of eleven medals.
Prof C. Chambers and Mrs M. Kerby: Hei tiki.
Mr C. Fenwick: Collection of Gallipoli photographs.
Brigade of Guards: Coldstream Guard's uniform.
Dr. B. W. and Mrs G. C. Hayward: Herbarium of New Zealand lichens.
Dr and Mrs J. B. Liggins bequest: Hei tiki from Oruarangi.
Mr John MacDonald: Painted Regency chair.
Prof H. E. and Mrs H. C. Maude: Ethnographic collection from Kiribati and Pitcairn Island.
Mr E. D. Pritchard: Collection of New Zealand Coleoptera and other insects.
- 1986 **Mr L. Cyprian Bridge and family:** Silver inkstand and other items associated with Col. Cyprian Bridge, 58th Regiment.
Mr J.T. Diamond: A collection of Auckland chimney pots.
- 1987 **Auckland Regional Authority:** Hunua Forest herbarium.
Mr J.K. Bartlett: Bequest of lichen herbarium.
Mr J. Webster: Collection of New Zealand ceramics.
- 1988 **Mackelvie Trust:** A Liberty oak sideboard.
- 1989 **Miss Jean Barrie:** Bequest of books on Chinese and Japanese art and history.

AIM Ann Report 1988 to 1989

MISSION

The mission of Auckland Museum shall be:

To identify and present the culture and environment of New Zealand, those cultures and environments that impinge on New Zealand and the cultures and environments of the world through collection, conservation, research, education and exhibition:

By stimulating people to pursue knowledge and gain insight and understanding;

By fostering an appreciation of, and respect for, the human and natural heritage of this planet, with special emphasis on New Zealand and impinging cultures and areas, through exhibitions and programmes of information that are oriented to the culture of New Zealand;

By attracting and communicating with the broadest possible audience while accepting a special responsibility for the people of New Zealand;

By recognising the role all New Zealand people have to play in determining the nature of the service of the institution;

By taking special cognisance of the Maori and Pacific Island communities of New Zealand;

By winning the respect and support of the museum's constituents and through them, the financial support necessary to maintain the Museum and see it develop as an institution in the service of those constituents;

By maintaining the highest standards of museological endeavour.

AUCKLAND INSTITUTE AND MUSEUM

BALANCE SHEET AS AT 31st MARCH 1989

LIABILITIES	1989 \$	1988 \$	ASSETS	1989 \$	1988 \$
Current Liabilities —			Current Assets —		
Bank Overdrafts	350,492	31,896	Cash in Hand	5,225	5,225
Sundry Creditors	149,704	193,565	Cash at Banks	17,941	19,222
Subscriptions in Advance	904	298	Sundry Debtors & Prepayments	199,250	147,263
	501,100	225,759	Subscriptions in Arrears	1,542	1,633
			Stock in Hand	358,394	355,101
			Deposits at Call	300,167	137,481
Trusts and Endowments —				882,519	665,925
As per Statement:			Investments at Cost —		
Trusts	1,262,770	1,200,068	Auckland Savings Bank Term Dep	264,144	213,721
General Endowments	1,062,543	910,991	Bank of New Zealand — Term Dep	368,637	160,465
	2,325,313	2,111,059	— Commercial Bills	1,334,330	295,110
			Local Authority Stock	8,162	21,164
Reserves, Gifts, Grants and Provisions —			Shares in Companies	37,244	40,435
As per Statement	1,590,637	631,963		2,012,517	730,895
			Trust Investments —		
Capital —			BNZ Term Deposits	554,367	475,116
Balance 1 April	4,786,536	4,320,634	Freehold Property	542,310	542,310
Add Additions during year	639,216	465,902		1,096,677	1,017,426
	5,425,752	4,786,536	Endowment Investments —		
Add —			Westpac T.C.D. etc	545,442	479,992
Balance Appropriation Account	476,372	251,410	National Bank Bill	129,423	—
	5,902,124	5,037,946	Government Stock	13,161	13,161
			Shares in Companies	218,799	311,567
				906,825	804,720
			Fixed Assets at Cost —		
			Buildings	1,893,561	1,673,811
			Collections	904,414	805,009
			Displays	726,632	680,385
			Equipment, Tools, etc	310,059	255,804
			Furniture and Fittings	615,834	534,914
			Library	913,233	796,609
			Motor Vehicles	56,903	41,229
				5,420,636	4,787,761
				10,319,174	8,006,727
				G.S. PARK, Treasurer	
	10,319,174	8,006,727			

AIM Ann Report
1988 to 1989

AIM Ann Report 1988 to 1989

AUCKLAND INSTITUTE AND MUSEUM

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 1989

1988	EXPENDITURE	1989	1989 Budget
\$		\$	\$
1,705,699	Employment Costs —		
24,084	Salaries & Wages	1,840,630	2,016,406
42,711	Non-Taxable Allowances	30,540	29,600
78,329	Retiring Allowances	29,147	35,000
29,028	Superannuation	83,810	88,939
	Accident Compensation Levy	37,096	37,096
1,879,851		2,021,223	2,207,041
	Administration Expenses —		
8,579	Audit Fee	15,604	9,500
28,796	Cleaning, Laundry & Custodial	36,429	33,000
2,490	Councillors' Travelling	2,515	3,000
3,407	Freight and Cartage	2,170	3,000
56,947	General	50,127	62,000
52,290	Heating, Lighting & Water	54,613	70,000
27,889	Insurance	36,736	30,700
1,440	Legal Fees	350	1,500
42,765	Postages, Telephones & Tolls	41,493	52,000
53,487	Printing & Stationery	53,159	63,000
34,611	Rates — Auckland City Council	36,082	38,000
27,095	Travelling	35,157	36,000
46,668	Publications (see Notes to Accts)	—	—
386,464		364,435	401,700
	Conservation & Display —		
13,344	Display Expenses	10,942	16,000
18,149	Conservation & Taxidermy	18,109	19,150
10,549	Extension Service	8,805	11,000
17,528	Special Exhibitions	16,899	23,000
9,970	Photography	9,116	11,500
862	Voluntary Guide Costs	3,172	1,000
70,402		67,043	81,650
	Institute —		
18,467	Expenses	17,232	15,500
1,705	Subscriptions Written Off	1,017	1,500
20,172		18,249	17,000
	Repairs & Maintenance —		
15,349	Building (see Notes to Accts)	18,250	17,250
21,427	Electrical Fittings	23,612	24,500
10,419	Equipment & General	11,109	11,000
7,671	Showcases & Furniture	4,019	10,000
54,866		56,990	62,750
	Depreciation —		
12,938	Displays	14,070	12,000
14,689	Equipment, Plant & Tools	17,139	12,000
14,205	Furniture & Fittings	16,228	15,000
1,625	Motor Vehicle	3,825	3,500
43,457		51,262	42,500
	Unauthorised Expenditure —		
680	Entertainment of Guests, etc	573	1,000
—	Sales & Services		
	Coffee Lounge, nett Loss	3,826	—
2,455,892		2,583,601	2,813,641
477,088	Balance transferred to Appropriation Account	1,765,694	1,603,484
2,932,980		4,349,295	4,417,125

AIM Ann Report 1988 to 1989

INCOME			
1988		1989	1989 Budget
\$		\$	\$
Contributions from Local Authorities —			
2,278,792	Metropolitan & Provincial Statutory	3,638,325	3,642,013
21,992	Provincial Voluntary	22,094	20,000
2,300,784		3,660,419	3,662,013
Grants from Government, etc —			
6,667	Administration of Antiquities Act	6,364	6,500
24,093	Art Galleries & Museums Scheme	22,665	28,500
4,550	Subsidised Work Schemes	—	—
—	C.C.A.C. — Conservation Intern	25,994	—
35,310		55,023	35,000
Subscriptions —			
3,150	Life Members	2,480	3,000
16,730	Annual	18,444	15,500
19,880		20,924	18,500
Donations —			
8,574	Miscellaneous	2,110	5,000
—	Volunteer Guides	40	—
8,574		2,150	5,000
Interest & Dividends —			
3,267	Trusts	3,409	3,250
5,127	General Endowments	5,728	5,100
168,969	General Fund	247,576	141,650
177,363		256,713	150,000
Income from Sales & Services —			
10,708	Auditorium, nett	10,261	9,500
66,792	Coffee Lounge, nett	—	35,000
2,626	Exhibition Hall	3,173	4,000
4,152	Planetarium	10,297	4,500
—	Publications	20,539	—
304,133	Shop, nett	309,746	326,000
2,658	Miscellaneous Receipts	50	2,000
391,069		354,066	381,000
2,932,980		4,349,295	4,251,513

	1989	1988		1989	1988
	\$	\$		\$	\$
Capital Expenditure from Revenue	148,152	123,862	Balance as at 1 April	251,410	199,419
Capital Expenditure from Reserves, etc	422,019	255,985	Balance from Income & Expenditure Account	1,765,694	477,089
Capital Expenditure from Trusts	16,875	47,330	Transfers from —		
Capital Expend ex Yock Donation 87/88	3,240	—	Trusts —		
General Endowment	1,000	1,000	J C Entrican	270	198
Difference in Student Subsidy	—	386	L J Ayre — Philately	98	600
Life Members' Subscription Endowment	2,480	3,150	Mackechnie — Library	960	—
Publication Reserve	20,540	—	W L Cooke Family — Library	15,547	35,363
Building Maintenance Reserve	301,010	150,000	E F Hilton — Malacology	—	11,168
Museum Display Development Fund	228,281	100,000	Reserves, Gifts, Grants & Endowments —		
Museum Development Reserve	835,193	80,000	Publications Reserve	—	46,668
Specimen Purchase Fund	17,000	15,000	Disney Fund — Specimens	57,554	27,457
Exchange Loss on Overseas Investments	—	364	Members' Library Purposes Fund	—	4,113
Depreciation Provision	—	1,360	Museum Display Development Fund	48,089	125,479
Write Off Bulbs & Tubes Stock	10,500	—	Specimen Purchase Fund	19,302	6,943
Balance Carried Down	476,372	251,410	NZ Lottery Board — Capital Grants	—	5,270
			Building Maintenance Reserve	45,279	—
			Museum Development Reserve	233,492	88,083
			Rose Hellaby	4,860	—
			M/V Depreciation Provision	13,444	—
			Profit on Sale of Shares	22,174	1,997
			Exchange Profit on Overseas Investments	4,489	—
	<u>2,482,662</u>	<u>1,029,847</u>		<u>2,482,662</u>	<u>1,029,847</u>

EDWARD EARLE VAILE ENDOWMENT AND BEQUEST ACCOUNT

(A summary of this account is included in the Statement of Trusts)

	1989	1988		1989	1988
	\$	\$		\$	\$
Capital Expenditure —			Rents Received —	95,026	95,026
Collections	14,180	10,965	Less Expenses —		
Library	28,199	27,760	Repairs & Maintenance		
	42,379	38,725	(Less \$300 Meter Dep. Refund)	765	320
Archaeology —			Valuation & Legal Fees	1,057	—
Salary, Wages &				(1,822)	(320)
Superannuation	47,235	47,029	Net Rents	93,204	94,706
Travelling, Field Expenses			Interest —		
& Sundry	1,901	2,700	Term Deposit	11,552	9,870
	49,136	49,729	Balance brought down	32,998	28,868
Transfer to Obsolescence Fund	5,973	5,973			
Interest on Obsolescence Fund	6,755	6,019			
	12,728	11,992			
Balance carried down	33,511	32,998			
	137,754	133,444		137,754	133,444

AIM Ann Report
1988 to 1989

STATEMENT OF
TRUSTS: SPECIFIC AND GENERAL ENDOWMENTS: RESERVES, GIFTS, GRANTS AND PROVISIONS

Description	Capital Balance 1/4/88	Income Balance 1/4/88	Interest	Other Receipts	Detail	Total Income	Payments	Detail	Income Balance 31/3/89	Capital Balance 31/3/89	Total
TRUSTS											
Accumulating Endowment	6,011.71		721.41			721.41			—	6,733.12	6,733.12
H.G. Atkinson — Research	1,478.48	1,765.17	177.42			177.42	1,027.37	Resrch Exp	915.22	1,478.48	2,393.70
L.J. Ayre — Philately	1,777.92	366.10	213.35			213.35	97.50	Approp A/c			
							101.93	Expenses	380.02	1,777.92	2,157.94
W.L. Cooke Family — Library	371,957.10	33,064.54	60,826.61			60,826.61	15,547.43	Approp A/c	78,343.72	371,957.10	450,300.82
J.C. Enrican — Numismatics	2,000.00	32.13	240.00			240.00	269.79	Approp A/c	2.34	2,000.00	2,002.34
E.F. Hilton — Malacology	24,383.59	2,452.48	2,926.03			2,926.03			5,378.51	24,383.59	29,762.10
Mackechnie — Library	4,000.00	480.00	480.00			480.00	960.00	Approp A/c	—	4,000.00	4,000.00
Janet McLennan — School Service	2,000.00	349.20	240.00			240.00	78.25	Sch Services	510.95	2,000.00	2,510.95
Mitchelson Prize	400.00	659.81	48.00			48.00			707.81	400.00	1,107.81
Museum Endowment	28,406.80		3,408.82			3,408.82	3,408.82	I. & E. A/c	—	28,406.80	28,406.80
Pond Cheeseman Bequest											
Commemoration Prize	290.00	445.22	34.80			34.80			480.02	290.00	770.02
Sir Carrick Robertson — Research	1,200.00	578.16	144.00			144.00	344.72	Resrch Exp	377.44	1,200.00	1,577.44
C.J. Shaw — Natural History and Ethnology Purchases	2,000.00	2,087.53	240.00			240.00	209.54	Fossil Casts	2,117.99	2,000.00	4,117.99
Edward Earle Vaile — Archaeology, Library	540,060.94	32,997.64	11,552.12	95,025.96	Gross Rents	106,578.08	106,064.35	Vaile A/c	33,511.37	540,060.94	573,572.31
Vaile Obsolescence Fund	56,292.75		6,755.13	5,973.00	Depreciation	12,728.13			—	69,020.88	69,020.88
Bertha Wilson — Cinematography	4,000.00	4,540.09	480.00			480.00			5,020.09	4,000.00	9,020.09
— Photography	2,000.00	1,401.63	240.00			240.00			1,641.63	2,000.00	3,641.63
C.H. Worth Memorial — Research	12,000.00	9,773.21	1,440.00			1,440.00	3,000	Resrch Exp	8,213.21	12,000.00	20,213.21
Life Members' Subscriptions	47,732.64		5,727.92	2,480.00	Approp A/c	8,207.92	5,727.92	I. & E. A/c	—	50,212.64	50,212.64
B. Fletcher Flag	1,000.00	83.33	230.87			230.87	65.50	Flag Rep	248.70	1,000.00	1,248.70
	1,108,991.93	91,076.24	96,126.48	103,478.96		199,605.44	136,903.12		137,849.02	1,124,921.47	1,262,770.49
GENERAL ENDOWMENTS											
General Endowment	17,601.30		2,228.17	1,000.00	Approp A/c	3,288.17				20,889.47	20,889.47
Eleanor L. Hellaby Bequest	21,807.73		2,835.00			2,835.00	330.10	Resrch Exp		24,312.63	24,312.63
Rose B. Hellaby Bequest	4,300.87		559.11			559.11	4,859.98	Approp A/c		—	1,222.22
Houghton Bequest	1,290.67		167.79			167.79				1,458.46	1,458.46
J. Seabrook Bequest	3,884.68		505.01			505.01	3,850.00	Restoratin		539.69	539.69
L.A. Spedding Bequest)	762,857.26	98,748.16	6,442.58	104,854.91	Divs/Interest	111,297.49			210,045.65	804,732.19	1,014,777.84
D.F. Whitmore Bequest)	500.00		65.00	41,874.93	Profit-Shares	41,874.93				565.00	565.00
	812,242.51	98,748.16	12,862.66	147,729.84		160,592.50	9,040.08		210,045.65	852,497.44	1,062,543.09

RESERVES, GIFTS, GRANTS AND PROVISIONS

Building Maintenance	53,864.47	7,002.38	301,010.00	Approp A/c	308,012.38	125,984.83	Rep & Mtce				
Other Transfers						45,278.63	Furn & Fitt		190,613.39	190,613.39	
Museum Development	(52,082.68)		835,193.00	Approp A/c	835,193.00	261,120.08	R & M etc				
Other Transfers						233,492.27	Improv'mnts		288,497.97	288,497.97	
Depreciation of Investments	3,687.25	479.34				479.34			4,166.59	4,166.59	
Depreciation of Assets	323,824.76	42,097.21	70,832.87	Depreciation	112,930.08	13,443.73	Approp A/c				
						6,158.63	Loss Sale		417,152.48	417,152.48	
Education Service Grants —	1,372.45	178.42	30.00	Kits etc	208.42	1,032.59	School Serv		548.28	548.28	
Government Grants —											
Administration of Antiquities			6,363.64	Grant	6,363.64	6,363.64	I. & E. A/c		—	—	
Horton — Geology	925.01	120.25				120.25			1,045.26	1,045.26	
Members' Library Purposes Fund	15,415.97	2,004.08	7,902.38	Donations	9,906.46	9,906.46			25,322.43	25,322.43	
Memorial Halls	22,003.85	2,860.50			2,860.50				24,864.35	24,864.35	
Museum Display Development Fund	(10,645.45)		7,000.00	L. Campbell		92,036.97	Rep & Mtce				
Other Transfers)			125,000.00	Lottery Bd		48,089.00	Improv'mnts				
)			15,000	ASB Grant							
)			24,522.38	Donations							
)			228,281.00	Approp A/c	399,803.38				249,031.96	249,031.96	
N.Z. Lottery Board —											
Art Galleries & Museums Scheme	—		22,665.00	Grant	22,665.00	22,665.00	I. & E. A/c		—	—	
C.C.A.C. — Conservation Intern	—		25,994.55	Grant	25,994.55	25,994.55	I. & E. A/c		—	—	
Publications Reserve)	117,558.55	15,282.61	20,539.49	Profit-Approp							
)			1,000.00	Atlantic & Pac	36,822.10				154,380.65	154,380.65	
Sibson — Library	3,104.57	403.59			403.59				3,508.16	3,508.16	
Special Visitors Fund	1,790.36	232.75			232.75	995.00	Pens		1,028.11	1,028.11	
Specimen Purchase Fund	14,273.47	1,855.55	17,000.00	Approp A/c		19,302.03	Approp A/c				
Members' Donations			3,441.60	Donations							
			700.00	Hutt Council	22,997.15				17,968.59	17,968.59	
Specimen Purchase — Disney Art Trust	37,957.33	4,934.45	42,648.85	Grant	47,583.30	57,553.67	Approp A/c		27,986.96	27,986.96	
Sir John Logan Campbell Trust											
— Restoration of Stonework	5,553.60	721.97			721.97				6,275.57	6,275.57	
— Ceramics Storage	18,896.87	2,456.59	7,000	Grant	9,456.59	7,000.00	Display Dev		21,353.46	21,353.46	
Curtain Donations	5,005.50	650.71			650.71				5,656.21	5,656.21	
Firth Dinosaurs	69,457.21	9,029.44	63,040.00	Donation	72,069.44				141,526.65	141,526.65	
Insurance Claims Prov.	—		3,524.00	I. & E. A/c	3,524.00				3,524.00	3,524.00	
Applied Arts	—		2,000.00	Donation	2,000.00				2,000.00	2,000.00	
Hellaby Botanical Research	—		1,398.91	Grant	1,398.91				1,398.91	1,398.91	
Lady A Fox — Books Arch & Ethnol	—		2,786.91	Donation	2,786.91				2,786.91	2,786.91	
	631,963.09	90,309.84	1,834,874.58		1,925,184.42	966,510.62			1,590,636.89	1,590,636.89	

AIM Ann Report 1988 to 1989

AUCKLAND INSTITUTE AND MUSEUM STATEMENT OF CASH FLOWS FOR THE YEAR ENDED 31st MARCH 1989

CASH FLOWS FROM OPERATING ACTIVITIES

	\$	\$
Cash was provided from:		
Levies & Vol. Contributions	3,660,419	
Grants — Govt & Other	329,283	
Subscriptions	20,479	
Donations	38,028	
Interest	482,166	
Sales & Service	2,157,247	
Exchange Profit	4,489	
		6,692,111
Cash was disbursed to:		
Payments to Suppliers and Employees		4,931,407
Nett Cash Flows from Operating Activities		<u>1,760,704</u>

CASH FLOWS FROM INVESTING ACTIVITIES

Cash was provided from:		
Proceeds from Sale of Plant	182	
Proceeds from Sale and Maturity of Investments	178,029	
Interest received	4,385	
Dividends received	16,321	
Rents Received	95,026	
Total Cash from Investment Activities		293,943
Cash was applied to:		
Property Expenses	1,822	
Fixed Assets	633,056	
Investments — Shares	5,022	
Total Cash Outflow from Investment Activities		<u>639,900</u>
Nett Cash Flows from Investing Activities		<u>(345,957)</u>
NETT MOVEMENT IN CASH		
Operating Activities		1,760,704
Investment Activities		(345,957)
NETT MOVEMENT FOR YEAR		1,414,747
Cash Balances at Beginning of Year		1,754,436
CASH BALANCE AT END OF YEAR		<u>3,169,183</u>

AUCKLAND INSTITUTE AND MUSEUM NOTES TO THE ACCOUNTS FOR THE YEAR ENDED 31st MARCH 1989

STATEMENT OF ACCOUNTING POLICIES

These Accounts have been prepared in accordance with general accounting principles recommended by the New Zealand Society of Accountants for the measurement and reporting of earnings and financial position on a historical cost basis. Accrual accounting is used to match expenses and revenues. Reliance has been placed on the assumption that the entity is a going concern.

The following particular accounting principles which materially affect the measurement of income, and of the overall financial position as disclosed by these financial statements, have been applied:-

(a) **Stocks**

Stocks in all instances are valued at cost and adequate provision has been made for obsolescence, deterioration or damage.

Publications Stocks of Guides, Leaflets, Records, Bulletins etc. of a value of \$13,564 have been written off in the current year.

The Stock of Bulbs and Tubes historically valued at \$10,500 has also been written off in this year and in future all purchases will be charged to maintenance.

(b) **Investments**

(i) The book value of shares and some Government and Local Authority Stocks represent the market value pertaining at the date of gift or bequest.

(ii) Overseas investments, including bank balances, have been converted to New Zealand currency at rates of exchange ruling on 31 March 1989.

(iii) Other investments, including the Vaile Trust property at Wiri, are shown at cost.

(c) **Fixed Assets**

Fixed Assets are shown at cost in the Balance Sheet. Collections which have been donated or bequeathed to the Museum are not included due to the nature and impracticability of valuing such assets.

(d) **Depreciation**

(i) Furniture and Fittings, Displays, Equipment and Tools (including Motor Vehicles) are depreciated on a straight-line basis in accordance with the estimated economic lives of the assets, and the sum so provided is transferred to Reserve. The useful lives of the major classes of assets have been estimated as follows:

Motor Vehicles	10 years
Equipment, Plant and Tools	20 years
Furniture and Fittings	25 years
Displays	50 years

AIM Ann Report 1988 to 1989

It should be noted that the crediting of interest to the Depreciation Reserve on a compounding basis adds almost another 50% to the stated rate of depreciation.

- (ii) No depreciation is provided for the Building; instead, lump sum transfers, as determined by Council, are normally made each year to Building Maintenance Reserve. (Items of routine maintenance are charged to Income and Expenditure Account; expenditure of a more substantial nature is charged directly to the Reserve).

Substantial amounts were spent in the year on such items as beam strengthening, upgrading of Staff Room, Canoe Hall, etc. A programme of refurbishing is continuing in the present 89/90 year.

- (iii) Depreciation on the Vaile Trust Building at Wiri has been provided for at standard rates on a straight-line basis.

(e) **Trusts, Endowments, etc.**

Funds received for special purposes are placed in a reserve, and recognised as income in the year in which such funds or the interest arising from them are received.

Reserves and Grants of \$1,590,637 are represented within the General Investments of \$2,012,517.

Trusts Funds of \$1,262,770 are covered by specific investments of \$1,096,677 and \$166,093 of General Investments.

The Spedding Bequest Capital Balance of \$804,732 is specifically covered by Endowment Investments of \$906,825.

(f) **Income**

- (i) Revenue from sales and services includes both cash and credit sales. Bad debts have been written off where appropriate.

- (ii) Investments income is included on an accrual basis.

There are no changes in accounting policies as compared with the previous year except as stated above.

The "Statement of Cash Flows" shows an opening balance of \$1,754,436 and a closing balance of \$3,169,183. Of the opening balance, \$1,875,984 is attributable to Trusts, Reserves and Endowments whilst Museum "Operations" had an opening deficit of \$121,548.

At year end, the Museum had available \$27,503 for "Operations"; Trusts held \$720,460; Reserves held \$1,590,637 and Endowments held \$830,583.

It should be noted that Levies for the year commencing 1st April 1989 are not due and payable until 30th June 1989.

MEMBERS AUCKLAND INSTITUTE AND MUSEUM HONORARY LIFE MEMBERS

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report

1988 to 1989

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AIM Ann Report 1988 to 1989

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AIM Ann Report 1988 to 1989

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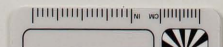
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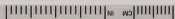
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